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## European Technical Assessment

**ETA 16/0911 – version 02  
of 15/05/2018**

### General Part

**Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: Technický a skúšobný ústav stavebný, n. o.**

**Trade name of the construction product**

Baumit ProSystem

**Product family to which the construction product belongs**

Product area code: 4  
External Thermal Insulation Composite Systems with rendering for the use as external insulation to walls of buildings

**Manufacturer**

Baumit Beteiligungen GmbH  
Wopfing 156  
A-2754 Waldegg  
Austria  
<http://www.baumit.at>

**Manufacturing plant**

Baumit Beteiligungen GmbH  
Wopfing 156  
A-2754 Waldegg  
Austria

**This European Technical Assessment contains**

68 pages including 4 annexes which form an integral part of this assessment.

**This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of**

ETAG 004, edition June 2013, used as European Assessment Document (EAD).

**This version replaces**

ETA 16/0911 – version 01, issued on 19/07/2017

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## **Specific part**

### **1 Technical description of the product**

#### **1.1 General**

This product is an ETICS (External Thermal Insulation Composite System) with rendering – a kit comprising components which are factory-produced by the manufacturer or component suppliers. The ETICS manufacturer is ultimately responsible for all components of the ETICS specified in this ETA.

The ETICS kit comprises a prefabricated insulation product of expanded polystyrene boards and mineral wool boards to be bonded or mechanically fixed onto a wall. The methods of fixing and the relevant components are specified in the table below. The insulation product is faced with a rendering system consisting of one or more layers (site applied), one of which contains reinforcement. The rendering is applied directly to the insulating panels, without any air gap or disconnecting layer.

The ETICS may include special fittings (e.g. base profiles, corner profiles ...) to treat details of ETICS (connections, apertures, corners, parapets, sills ...). Assessment and performance of these components is not addressed in this ETA, however the ETICS manufacturer is responsible for adequate compatibility and performance within the ETICS when the components are delivered as part of the kit.

**Composition of the ETICS**

**Table 1 – Composition of the ETICS**

	<b>Components</b> (see Annex 1 for further description, characteristics and performances of the components)	<b>Coverage</b> kg/m <sup>2</sup>	<b>Thickness</b> mm
Insulation materials with associated methods of fixing	<p>Bonded ETICS (partially or fully bonded) with supplementary anchors. According to ETA-holder's prescription the minimal bonded surface shall be at least 20 % (see Table 31 to 37). National application documents shall be taken into account.</p> <ul style="list-style-type: none"> <li> <b>Insulation products:</b>                      Expanded polystyrene boards                      Baunit ProTherm (100)/Baunit Fassadendämmplatte EPS-F (100)                      Baunit ProTherm (120)/Baunit Fassadendämmplatte EPS-F (120)                      Baunit ProTherm (150)/Baunit Fassadendämmplatte EPS-F (150)                      Baunit StarTherm (100)/Baunit Fassadendämmplatte EPS-F plus (100)                      Baunit StarTherm (120)/Baunit Fassadendämmplatte EPS-F plus (120)                      Baunit StarTherm (150)/Baunit Fassadendämmplatte EPS-F plus (150)                 </li> <li>                     * Thermal insulation of thickness 301 mm until 420 mm is used only with anchors – types ejothem STR U/ ejothem STR U 2G and StarTrack/BaunitKlebeAnker.                 </li> <li> <b>Adhesives (type of cement – see page 6):</b> <ul style="list-style-type: none"> <li> <b>Baunit ProContact/Baunit ProContact DC 56</b>                              Preparation: mixing of 6,5 l water/25 kg powder                              Composition: mineral powder, grey cement of types 1,2,3,4 base with silica sand and lime stone, dispersion powder, additives                         </li> <li> <b>Baunit NivoFix/Baunit PaneloFix/Baunit WDVS-Kleber</b>                              Preparation: mixing of 7 l to 8 l water/25 kg powder                              Composition: mineral powder, grey cement of types 1,2,3,4 base with silica sand and lime stone, dispersion powder, additives                         </li> </ul> </li> <li> <b>Supplementary anchors</b>                      See Annex 2 for list of anchors including special anchor Baunit StarTrack/Baunit KlebeAnker and their product characteristics.                 </li> </ul>	/	20 to 300 301 to 420*
	<p>Bonded ETICS (fully bonded) with supplementary anchors. According to ETA-holder's prescription the bonded surface shall be 100 %. National application documents shall be taken into account.</p> <ul style="list-style-type: none"> <li> <b>Insulation products:</b>                      Mineral wool slabs "Baunit MineralTherm Lamella"                 </li> <li> <b>Adhesives (type of cement –see page 10):</b> <ul style="list-style-type: none"> <li> <b>Baunit ProContact/Baunit ProContact DC 56</b>                              Preparation: mixing of 6,5 l water/25 kg powder                              Composition: mineral powder, grey cement of types 1,2,3,4 base with silica sand and lime stone, dispersion powder, additives                         </li> <li> <b>Baunit NivoFix/Baunit PaneloFix/Baunit WDVS-Kleber</b>                              Preparation: mixing of 7 l to 8 l water/25 kg powder                              Composition: mineral powder, grey cement of types 1,2,3,4 base with silica sand and lime stone, dispersion powder, additives                         </li> </ul> </li> </ul>	5 (powder)  4 to 5 (powder)	50 to 300

	<ul style="list-style-type: none"> <li>• <b>Supplementary anchors</b> See Annex 2 for list of anchors including special anchor Baunit StarTrack/Baunit KlebeAnker and their product characteristics.</li> </ul>		
	<p>Mechanically fixed ETICS with anchors and supplementary adhesive (see Clause 2.2.8.3) for possible associations EPS/anchors, MW/anchors). According to ETA-holder's prescription the minimal bonded surface shall be at least 20 % with EPS and 40 % with MW ans (see Table 31 to 37). National application documents shall be taken into account.</p> <ul style="list-style-type: none"> <li>• <b>Insulation products – Type 1</b> Expanded polystyrene boards Baunit ProTherm (100)/Baunit Fassadendämmplatte EPS-F (100) Baunit ProTherm (120)/Baunit Fassadendämmplatte EPS-F (120) Baunit ProTherm (150)/Baunit Fassadendämmplatte EPS-F (150) Baunit StarTherm (100)/Baunit Fassadendämmplatte EPS-F plus (100) Baunit StarTherm (120)/Baunit Fassadendämmplatte EPS-F plus (120) Baunit StarTherm (150)/Baunit Fassadendämmplatte EPS-F plus (150)  * Thermal insulation of thickness 301 mm until 420 mm is used only with anchors – types ejothem STR U/ejothem STR U 2G and StarTrack/BaunitKlebeAnker.</li> <li>• <b>Insulation products – Type 2</b> Mineral wool slabs “Baunit MineralTherm”</li> <li>• <b>Supplementary adhesives (type of cement – see page 10)</b> <ul style="list-style-type: none"> <li>- <b>Baunit ProContact/Baunit ProContact DC 56</b> Preparation: mixing of 6,5 l water/25 kg powder Composition: mineral powder, grey cement of types 1,2,3,4 base with silica sand and lime stone, dispersion powder, additives</li> <li>- <b>Baunit NivoFix/Baunit PaneloFix/Baunit WDVS-Kleber</b> Preparation: mixing of 7 l to 8 l water/25 kg powder Composition: mineral powder, grey cement of types 1,2,3,4 base with silica sand and lime stone, dispersion powder, additives</li> </ul> </li> <li>• <b>Anchors</b> See Annex 2 for list of anchors including special anchor Baunit StarTrack/Baunit KlebeAnker and their product characteristics.</li> </ul>		50 to 300 301 to 420*
		3,5 (EPS) (powder) 5,0 (MW) (powder)	60 to 300
		2,5 to 5,0 (EPS) (powder) 4 to 5 (MW) (powder)	/
Base coat	<ul style="list-style-type: none"> <li>• <b>Baunit ProContact/Baunit ProContact DC 56</b> Preparation: mixing of 6,5 l water/25 kg powder Composition: mineral powder, grey cement of types 1,2,3,4 base with silica sand and lime stone, dispersion powder, additives</li> </ul>	4,0 (EPS) 5,0 (MW) (powder)	3,0 to 4,0 (EPS) 4,0 to 5,0 (MW)
Glass fibre meshes	<ul style="list-style-type: none"> <li>• Standard glass fibre mesh: (glass fibres mesh with mesh size approx. 4 mm and 4 mm, mass per unit area: min. 145 g/m<sup>2</sup>): <b>Baunit StarTex /Baunit Textilglasgitter/Baunit ProTex</b></li> </ul>	/	/
	<ul style="list-style-type: none"> <li>• Standard glass fibre mesh: (glass fibres mesh with mesh size approx. 3,5 mm and 3,8 mm, mass per unit area: min. 160 g/m<sup>2</sup>): <b>Baunit StarTex (160)</b></li> </ul>	/	/
Key coats	<ul style="list-style-type: none"> <li>• Baunit UniPrimer/Baunit UniversalGrund/Baunit ProPrimer ready to use pigmented liquid</li> </ul>	0,20 to 0,25	
	<ul style="list-style-type: none"> <li>• Baunit PremiumPrimer/Baunit Premium Primer DG27/ Baunit DecorGrundierung DG 27 ready to use pigmented liquid</li> </ul>	0,25	

Finishing coats	<ul style="list-style-type: none"> <li>Ready to use pastes – silicate binder Baumit SilikatTop/Baumit SilikatPutz (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,2	
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicate binder Baumit NanoporTop/Baumit NanoporPutz (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,2 2,6 to 3,6	
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone binder Baumit StarTop (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,2	
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone binder Baumit SilikonTop/Baumit SilikonPutz (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,2	
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone binder Baumit SiliporTop/Baumit SiliporPutz (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,2	
	<ul style="list-style-type: none"> <li>Ready to use pastes – acrylic binder Baumit GranoporTop/Baumit GranoporPutz (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,1	
	<ul style="list-style-type: none"> <li>Ready to use pastes – acrylic binder Baumit StyleTop/Baumit ArtlineTop/Baumit ArtlinePutz (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,1	
	<ul style="list-style-type: none"> <li>Ready to use pastes – acrylic binder Baumit PuraTop (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,2	
	<ul style="list-style-type: none"> <li>Powder product mixed with water – acrylic binder Baumit Fascina Special/Baumit Edelputz Spezial (particles size 1,0/2,0/3,0/4,0 mm), floated structure Preparation: mixing of 6,0 l to 7,5 l water/25 kg powder Composition: mineral powder, grey cement of type 7 base with silica sand, dispersion powder, additives</li> </ul>	2,2 to 5,5	
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone and acrylic binder Baumit CreativTop (particles size 1,0 (Fine)/1,5 (Vario)/3,0 (Trend)/4,0 mm (Max)), modelling and floated structure</li> </ul>	2,9 to 6,2	
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone and silicate binder Baumit StellaporTop (particles size 1,5/2,0/3,0 mm), floated structure (particles size 2,0/3,0 mm), ribbed structure</li> </ul>	2,5 to 4,2	
	<ul style="list-style-type: none"> <li>Ready to use pastes – acrylic binder Baumit MosaikTop (particles size 2,0 mm), floated structure</li> </ul>	5,5	
	<ul style="list-style-type: none"> <li>Ready to use pastes – acrylic binder Baumit MosaikSuperfine (particles size 0,8 mm), floated structure</li> </ul>	2,7	

	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone and acrylic binder Baumit FineTop/Baumit SilikonFine/Baumit UniTopFine (particles size 1,0 mm), floated structure</li> </ul>	2,0	
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone and acrylic binder Baumit NanoporTop Fine /Baumit NanoporFine (particles size 1,0 mm), floated structure</li> </ul>	2,0	
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone Baumit StarTop Fine (particles size 1,0 mm), floated structure</li> </ul>	2,0	
	<ul style="list-style-type: none"> <li>Ready to use pastes – acrylic binder Baumit PuraTop Fine (particles size 1,0 mm), floated structure</li> </ul>	2,0	
	<ul style="list-style-type: none"> <li>Ready to use pastes – acrylic binder Baumit GranoporFine (particles size 1,0 mm), floated structure</li> </ul>	2,0	
Decorative coats/ plasters*	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone and acrylic binder Baumit CreativTop Silk / Baumit Creativ Top S-Fine (particles size 0,2 mm), floated structure</li> </ul>	1,8 to 4,0	0,5 to 2,0
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone and acrylic binder Baumit CreativTop Pearl (particles size 0,5 mm), floated structure</li> </ul>	1,4	0,5 to 1,0
	<ul style="list-style-type: none"> <li>Ready to use pastes – silicone binder Baumit FillTop/Baumit UniTop Fill (particles size 0,5 mm), floated structure</li> </ul>	1,4	0,5 to 1,0
	* To be used optionally with all types of finishing coats mentioned above.		
Decorative coats/paints**	<ul style="list-style-type: none"> <li>Ready to use paint – silicate binder Baumit NanoporColor/Baumit NanoporFarbe</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – silicone binder Baumit StarColor</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – silicone binder Baumit SilikonColor/Baumit Silikon Farbe</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – silicate binder Baumit SilikatColor/Baumit SilikatFarbe</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – acrylic binder Baumit StyleColor/Baumit ArtlineFarbe</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – acrylic binder Baumit PuraColor/Baumit ProColor</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – acrylic binder Baumit GranoporColor/Baumit GranoporFarbe</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – acrylic binder Baumit Metallic/Baumit Artline Metallic</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – silicate binder Baumit Lasur/Baumit Artline Lasur</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – silicate binder Baumit Finish/Baumit Artline Finish</li> </ul>	0,5	
	<ul style="list-style-type: none"> <li>Ready to use paint – silicate binder Baumit Glitter/Baumit Artline Glitter</li> </ul>	0,5	
** To be used optionally alone with all types of finishing coats mentioned above or with decorative plasters applying on finishing coats.			

Ancillary materials	Descriptions in accordance with 3.2.2.5 of the ETAG 004. Remain under the ETA-holder responsibilities.
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Cement types:

Cement Type 1	CEM II/A-S 42,5R grey
Cement Type 2	CEM I 42,5R grey
Cement Type 3	CEM II/A-LL 42,5R grey
Cement Type 4	CEM I 52,5N grey

## **2 Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)**

### **2.1 Intended use**

This ETICS is intended for use as external insulation of buildings' walls. The walls are made of masonry (bricks, blocks, stones ...) or concrete (cast on site or as prefabricated panels). The characteristics of the walls shall be verified prior to use of the ETICS, especially regarding conditions for reaction to fire classifications and for fixing of the ETICS either by bonding or mechanically. The ETICS is designed to give the wall to which it is applied satisfactory thermal insulation.

The ETICS is made of non load-bearing construction elements. It does not contribute directly to the stability of the wall on which it is installed, but it can contribute to durability by providing enhanced protection from the effect of weathering.

The ETICS can be used on new or existing (retrofit) vertical walls. It can also be used on horizontal or inclined surfaces which are not exposed to precipitation.

The ETICS is not intended to ensure the airtightness of the building structure.

The choice of the method of fixing depends on the characteristics of the substrate, which could need preparation (see 7.2.1 of the ETAG 004) and shall be done in accordance with the national instructions.

The provisions made in this European Technical Assessment (ETA) are based on an assumed intended working life of at least 25 years, provided that the conditions laid down in Clauses 4.2, 5.1 and 5.2 for the packaging, transport, storage and installation as well as appropriate use, maintenance and repair are met. The indications given as to the working life cannot be interpreted as a guarantee given by the manufacturer or the Technical Assessment Body, but should only be regarded as a means for choosing the appropriate products in relation to the expected economically reasonable working life of the works.

The ETICS belong to Category S/W2, according to EOTA Technical Report No. 034.

### **2.2 Manufacturing**

The European Technical Assessment is issued for the ETICS on the basis of agreed data/information, deposited with the Technical Assessment Body "Building Testing and Research Institute", which identified the ETICS that has been assessed and judged. Changes to the ETICS or production process, which could result in this deposited data/information being incorrect, shall be notified to the Technical Assessment Body Technický a skúšobný ústav stavebný, n. o. (TSÚS) before the changes are introduced. The Technical Assessment Body Technický a skúšobný ústav stavebný, n. o. will decide whether or not such changes affect the ETA and consequently the validity of the CE marking on the basis of the ETA and if so whether further assessment or alternations to the ETA, shall be necessary.

### **2.3 Design and installation**

The installation instructions including special installation techniques and provisions for the qualifications of the personnel are given in the manufacturer's technical documentation.

Design, installation and execution of ETICS are to be in conformity with national documents.) Such documents and the level of their implementation in Member States' legislation are different. Therefore, the assessment and declaration of performance are done taking into account general assumptions introduced in 7.1 and 7.2 of ETAG 004 used as EAD, which summarized how information introduced in the ETA and related documents is intended to be used in the construction process and gives advice to all parties interested when normative documents are missing.

### **2.4 Packaging, transport and storage**

The information on packaging, transport and storage is given in the manufacturer's technical documentation. It is the responsibility of the manufacturer(s) to ensure that this information is made known to the concerned people.



## 2.5 Use, maintenance and repair

The finishing coat shall normally be maintained in order to fully preserve the ETICS performance.

Maintenance includes at least:

- visual inspection of the ETICS;
- the repairing of localized damaged areas due to accidents;
- the aspect maintenance with products adapted and compatible with the ETICS (possibly after washing or ad hoc preparation).

Necessary repairs should be performed as soon as the need has been identified.

It is important to be able to carry out maintenance as far as possible using readily available products and equipment, without spoiling appearance. Only products which are compatible with the ETICS shall be used.

The information on use, maintenance and repair is given in the manufacturer's technical documentation. It is responsibility of the manufacturer(s) to ensure that these provisions are easily accessible to the concerned people.

## 3 Performance of the product and reference to the methods used for its assessment

### 3.0 The performances of the kit as described in this clause are valid provided that the components of the kit comply with Annexes 1 to 3.

#### 3.1 Mechanical resistance and stability (BWR 1)

Not relevant.

#### 3.2 Safety in case of fire (BWR 2)

##### 3.2.1 Reaction to fire (ETAG 004 – Clause 5.1.2.1, EN 13501-1)

The reaction to fire was determined according to ETAG 004, Clause 5.1.2.1. The product as defined under Clause 1.1 reached the following classification stated in Tables 2 to 6.

**Table 2 – Classification of reaction to fire for ETICS**

Configuration 1	Max. organic content	Flame retardant content	Euroclass according to EN 13501-1
Adhesives: Baumit ProContact <b>(tested with SupraFix – worst case)</b>	Base coat: 13,7 % ± 0,6 abs Finishing coat: (10,9 ± 10) % rel. Decorative coat (plaster): (9,1 ± 10) % rel. Decorative coat (Paint): (98,3 ± 10) % rel.	EPS: no information Base coats Baumit PowerFlex): max. 10 % Baumit ProContact: 0 % Finishing coat: 0 %	B-s2, d0
EPS-EN 13163 in line with Table 1 of ETA thickness: 50 mm to 420 mm color: white or grey reaction to fire: E			
Base coat: Baumit ProContact <b>(tested with Baumit PowerFlex – worst case)</b>			
Glass fibre mesh: Baumit StarTex <b>Baumit StarTex (160)</b> - tested in configuration mass per unit area: from 145 g/m <sup>2</sup> ± 8 % to 160 g/m <sup>2</sup> ± 8%			

Key coats: Baunit UniPrimer <b>Baunit PremiumPrimer</b>			
Finishing coats: Baunit SilikatTop Baunit NanoporTop Baunit StarTop Baunit PuraTop Baunit SilikonTop Baunit SiliporTop Baunit GranoporTop <b>Baunit StyleTop (tested)</b> Baunit Fascina Special Baunit CreativTop Baunit StellaporTop Baunit MosaikTop Baunit MosaikSuperfine Baunit FineTop Baunit NanoporTop Fine Baunit StarTop Fine Baunit PuraTop Fine Baunit GranoporFine			
Decorative coats/plasters: Baunit CreativTop Silk Baunit CreativTop Pearl <b>Baunit FillTop</b>			
Decorative coats/paints: Baunit NanoporColor Baunit StarColor Baunit SilikonColor Baunit SilikatColor Baunit StyleColor Baunit PuraColor Baunit GranoporColor Baunit Metallic Baunit Lasur Baunit Finish <b>Baunit Glitter (tested)</b>			

**Table 3 – Classification of reaction to fire for ETICS**

Configuration 2	Max. organic content	Flame retardant content	Euroclass according to EN 13501-1
Adhesives: Baumit ProContact Baumit NivoFix <b>(tested with SupraFix – worst case)</b>			
EPS-EN 13163 in line with Table 1 of ETA thickness: 50 mm to 420 mm Color: white or grey reaction to fire: E			
Base coat: Baumit ProContact <b>(tested with Baumit PowerFlex – worst case)</b>			
Glass fibre mesh: Baumit StarTex <b>Baumit StarTex (160)</b> tested in configuration mass per unit area: from 145 g/m <sup>2</sup> ± 8 % to 160 g/m <sup>2</sup> ± 8%	Base coat: 13,7 % ± 0,6 abs	EPS: no information	
Key coats: Baumit UniPrimer <b>Baumit PremiumPrimer</b>	Finishing coat: (10,9 ± 10) % rel. Decorative coat (plaster): (9,1 ± 10) % rel.	Base coats Baumit PowerFlex): max. 10 % Baumit ProContact: 0 %	B-s1, d0
Finishing coat: <b>Baumit StyleTop</b> (4,0 mm grain size)	Decorative coat (Paint): (98,3 ± 10) % rel.	Finishing coat: 0 %	
Decorative coats/plasters: Baumit CreativTop Silk Baumit CreativTop Pearl <b>Baumit FillTop</b>			
Decorative coats/paints: Baumit NanoporColor Baumit StarColor Baumit SilikonColor Baumit SilikatColor Baumit StyleColor Baumit PuraColor Baumit GranoporColor Baumit Metallic Baumit Lasur Baumit Finish <b>Baumit Glitter</b>			

**Table 4 – Classification of reaction to fire for ETICS**

Configuration 3	Max. organic content	Flame retardant content	Euroclass according to EN 13501-1
Adhesives: Baumit ProContact Baumit NivoFix Baumit SupraFix (worst case)	Base coat: 13,7 % ± 0,6 abs  Finishing coat: (10,9 ± 10) % rel.	EPS: no information  Base coats Baumit ProContact: 0 %  Finishing coat: 0 %	B-s1, d0
EPS-EN 13163 in line with Table 1 of ETA thickness: 50 mm to 420 mm Color: white or grey reaction to fire: E			
Base coat: Baumit ProContact Baumit PowerFlex/Baumit FaserSpachtel – worst case			
Glass fibre mesh: Baumit TextilglassGitter mass per unit area: min. 145 g/m <sup>2</sup>			
Key coats: <b>Baumit UniversalGrund</b> Baumit PremiumPrimer			
Finishing coats: Baumit SilikatTop Baumit NanoporTop Baumit StarTop Baumit PuraTop Baumit SilikonTop Baumit SiliporTop Baumit GranoporTop <b>Baumit StyleTop (tested)</b> Baumit Fascina Special Baumit CreativTop Baumit StellaporTop Baumit MosaikTop Baumit MosaikSuperfine Baumit FineTop Baumit NanoporTop Fine Baumit StarTop Fine Baumit PuraTop Fine Baumit GranoporFine			

**Table 5 – Reaction to fire classification of ETICS**

Configuration 4	Max. ash content and heat combustion	Flame retardant content	Euroclass according to EN 13501-1
Adhesives: Baumit ProContact Baumit NivoFix <b>Baumit StarContact (tested)</b>	Adhesive: (96,8 to 98) %/ (0,833 ± 0,127) MJ/kg  Base coat: (96,8 to 98) %/ (0,833 ± 0,127) MJ/kg	Base coat: 0 %  Finishing coat: 0 %	A2-s1, d0
MW-EN 13162-TR7,5 MW-EN 13162-TR10 <b>MW-EN 13162-TR15 (tested)</b> thickness: from 60 mm to 300 mm (tested thickness: 180 mm) reaction to fire: A1, $\mu$ : MU1 measured density: 130 kg/m <sup>3</sup> to 135 kg/m <sup>3</sup>			

<p><b>MW-EN 13162-TR80</b> (tested)  MW-EN 13162-TR100  thickness: from 60 mm to 300 mm  (tested thickness: 180 mm)  reaction to fire: A1, <math>\mu</math>: MU1  measured density: 67 kg/m<sup>3</sup> to 89 kg/m<sup>3</sup></p>	<p>Key coat:  (87,1 to 90,1) %/  (2,671 <math>\pm</math> 0,088)  MJ/kg</p>		
<p>Base coats:  Baumit ProContact  <b>Baumit StarContact</b> (tested in configuration)</p>	<p>Finishing coat:  (88,0 to 90,2) %/  (2,305 <math>\pm</math> 0,262)  MJ/kg</p>		
<p>Glass fibre meshes:  Baumit StarTex  <b>Baumit StarTex (160)</b> (tested in configuration)  mass per unit area:  from 145 g/m<sup>2</sup> + 8 % to 160 g/m<sup>2</sup> + 8 %</p>	<p>Decorative coats/plasters:  (90,3 to 92,1) %/  (2,211 <math>\pm</math> 0,098)  MJ/kg</p>		
<p>Key coats:  Baumit UniPrimer  <b>Baumit PremiumPrimer</b> (tested in configuration)</p>	<p>Decorative coats/paints:  min. 84,8 %/  (4,274 <math>\pm</math> 0,014) MJ/kg</p>		
<p>Finishing coats:  Baumit GranoporTop  Baumit SilikonTop  Baumit CreativTop  <b>Baumit StyleTop</b> (tested in configuration)  Baumit NanoporTop  Baumit StarTop  Baumit PuraTop  Baumit SilikatTop  Baumit SiliporTop  Baumit Fascina Special  Baumit NanoporTop Fine  Baumit StarTop Fine  Baumit PuraTop Fine  Baumit GranoporFine  Baumit FineTop  Baumit StellaporTop  Baumit MosaikTop  Baumit MosaikSuperfine</p>			
<p>Decorative coats/plasters:  Baumit CreativTop Silk (tested in configuration)  Baumit FillTop  Baumit CreativTop Pearl</p>			
<p>Decorative coats/paints:  Baumit NanoporColor  Baumit StarColor  Baumit SilikonColor  Baumit SilikatColor  <b>Baumit StyleColor</b> (tested in configuration)  Baumit PuraColor  Baumit GranoporColor</p>			

**Table 6 – Reaction to fire classification of ETICS**

Configuration 5	Max. ash content and heat combustion	Flame retardant content	Euroclass according to EN 13501-1
Adhesives: Baumit ProContact Baumit NivoFix			
MW-EN 13162-TR7,5 MW-EN 13162-TR10 MW-EN 13162-TR15 thickness: from 60 mm to 300 mm reaction to fire: A1, $\mu$ : MU1 measured density: 130 kg/m <sup>3</sup> to 135 kg/m <sup>3</sup>			
MW-EN 13162-TR80 MW-EN 13162-TR100 thickness: from 60 mm to 300 mm reaction to fire: A1, $\mu$ : MU1 measured density: 67 kg/m <sup>3</sup> to 89 kg/m <sup>3</sup>	Adhesive: (96,8 to 98) %/ (0,833 ± 0,127) MJ/kg		
Base coat: Baumit ProContact	Base coat: (96,8 to 98) %/ (0,833 ± 0,127) MJ/kg		
Glass fibre meshes: Baumit StarTex Baumit StarTex (160) mass per unit area: from 145 g/m <sup>2</sup> + 8 % to 160 g/m <sup>2</sup> + 8 %	Key coat: (87,1 to 90,1) %/ (2,671 ± 0,088) MJ/kg		
Key coats: Baumit UniPrimer Baumit PremiumPrimer	Finishing coat: (88,0 to 90,2) %/ (2,305 ± 0,262) MJ/kg	Base coat: 0 % Finishing coat: 0 %	No performance assessed
Finishing coats: Baumit GranoporTop Baumit SilikonTop Baumit CreativTop Baumit StyleTop Baumit NanoporTop Baumit StarTop Baumit PuraTop Baumit SilikatTop Baumit SiliporTop Baumit Fascina Special Baumit NanoporTop Fine Baumit StarTop Fine Baumit PuraTop Fine Baumit GranoporFine Baumit FineTop Baumit StellaporTop Baumit MosaikTop Baumit MosaikSuperfine	Decorative coats/plasters: (90,3 to 92,1) %/ (2,211 ± 0,098) MJ/kg		
Decorative coats/plasters: Baumit CreativTop Silk Baumit FillTop Baumit CreativTop Pearl	Decorative coats/paints: min. 1,7 % (Glitter)/ (29,348±0,122) MJ/kg		
Decorative coats/paints: Baumit Metallic Baumit Lasur Baumit Finish Baumit Glitter			

Mounting and fixing:

The assessment of reaction to fire for configuration 1 is based on tests with maximal insulation layer thickness of SBI/200 mm, STN EN ISO 11925-2 and insulation material density  $15,7 \text{ kg/m}^3$  and a render system with maximum organic content ( $13,7 \% \pm 0,6 \text{ abs}$ ) for base coat and ( $10,9 \pm 10$ ) % rel. for finishing coat and ( $9,1 \pm 10$ ) % rel. for decorative coat (plaster) and ( $98,3 \pm 10$ ) % rel. for decorative coat (paint) and thicknesses of grain sizes of finishing coats 1,0 mm and 4,0 mm.

The assessment of reaction to fire for configuration 2 is based on tests with maximal insulation layer thickness of SBI/200 mm, STN EN ISO 11925-2 and insulation material density  $15,7 \text{ kg/m}^3$  and a render system with maximum organic content ( $13,7 \% \pm 0,6 \text{ abs}$ ) for base coat and ( $10,9 \pm 10$ ) % rel. for finishing coat Baumit CreativTop Max and ( $9,1 \pm 10$ ) % rel. for decorative coat (plaster) and ( $98,3 \pm 10$ ) % rel. for decorative coat (paint) and thicknesses of grain sizes of finishing coat Baumit CreativTop Max 4,0 mm.

The assessment of reaction to fire for configuration 3 is based on tests with maximal insulation layer thickness of SBI/200 mm, STN EN ISO 11925-2 and insulation material density  $15 \text{ kg/m}^3$  and a render system with maximum organic content ( $13,7 \% \pm 0,6 \text{ abs}$ ) for base coat and ( $10,9 \pm 10$ ) % rel. for finishing coat and thickness 3,0 mm.

The assessment of reaction to fire for configuration 4 is based on tests with maximal insulation layer thickness of 180 mm and insulation material densities  $130 \text{ kg/m}^3$  to  $135 \text{ kg/m}^3$ , with maximum organic content/heat combustion of finishing coat ( $9,8-12$ ) %/( $2,305 \pm 0,262$ ) % and thicknesses 1,0 mm and 4,0 mm, with maximum heat combustion value of decorative coat/paint ( $29,348 \pm 0,122$ ) MJ/kg, optionally with maximum heat combustion value of decorative coat/plaster ( $2,211 \pm 0,098$ ) MJ/kg.

For the SBI configuration this ETICS is mounted directly to a calcium silicate plasterboard substrate of reaction to fire classification A2-s1, d0 with a minimum density of  $800 \text{ kg/m}^3 \pm 10 \text{ kg/m}^2$ .

The installation of the ETICS was carried out by the manufacturer (holder of assessment) following the manufacturer's specifications (instruction sheet) using a single layer of the glass fibre mesh all over the test specimen (no overlapping glass fibre mesh).

The test specimens were prefabricated and did not include any joints. The panel edges were rendered except the upper and bottom edges.

Anchors were not included in the tested ETICS as they have no influence on the test result.

Please note that in some member states the classification on the basis of SBI test is not accepted. Additional tests might be required e.g. large scale tests to demonstrate compliance with a member state's fire regulation.

Furthermore the edges of the ETICS always have to be protected against fire.

NOTE A European reference fire scenario has not been laid down for facades. In some Member States, the classification of ETICS according to EN 13501-1 might not be sufficient for the use in facades. An additional assessment of ETICS according to national provisions (e.g. on the basis of a large scale test) might be necessary to comply with Member State regulations, until the existing European classification system has been completed.

**3.3 Hygiene, health and environment (BWR 3)**

**3.3.1 Water absorption (ETAG 004 – Clause 5.1.3.1)**

**Table 7 – Water absorption of base coat (on EPS boards)**

		Water absorption after 24 hours	
		< 0,5 kg/m <sup>2</sup>	≥ 0,5 kg/m <sup>2</sup>
Base coat	Baumit ProContact (3 mm)	x	

**Table 8 – Water absorption of rendering coats**

Base coat Baumit ProContact (thickness 3 mm)		Water absorption after 24 hours	
		< 0,5 kg/m <sup>2</sup>	≥ 0,5 kg/m <sup>2</sup>
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter:	Baumit SilikatTop	x	
	Baumit NanoporTop	x	
	Baumit StarTop		x
	Baumit SilikonTop	x	
	Baumit SiliporTop	x	
	Baumit GranoporTop	x	
	Baumit StyleTop	x	
	Baumit PuraTop	x	
	Baumit Fascina Special	x	
	Baumit CreativTop	x	
	Baumit StellaporTop	x	
	Baumit MosaikTop	x	
	Baumit Mosaik Superfine	x	
	Baumit FineTop	x	
	Baumit NanoporTop Fine	x	
Baumit StarTop Fine		x	
Baumit PuraTop Fine	x		
Baumit GranoporFine	x		



**Table 9 – Water absorption of base coat (on MW boards)**

		Water absorption after 24 hours	
		< 0,5 kg/m <sup>2</sup>	≥ 0,5 kg/m <sup>2</sup>
Base coat	Baunit ProContact	x	

**Table 10 – Water absorption of rendering coats (on MW boards)**

Base coat Baunit ProContact		Water absorption after 24 hours	
		< 0,5 kg/m <sup>2</sup>	≥ 0,5 kg/m <sup>2</sup>
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter:	Baunit SilikatTop	x	
	Baunit NanoporTop	x	
	Baunit StarTop		x
	Baunit SilikonTop	x	
	Baunit SiliporTop	x	
	Baunit GranoporTop	x	
	Baunit StyleTop	x	
	Baunit PuraTop		x
	Baunit Fascina Special	x	
	Baunit CreativTop	x	
	Baunit StellaporTop	x	
	Baunit MosaikTop	x	
	Baunit Mosaik Superfine	x	
	Baunit FineTop	x	
	Baunit NanoporTop Fine	x	
	Baunit StarTop Fine		x
Baunit PuraTop Fine		x	
Baunit GranoporFine	x		

**Table 11 – Water absorption of base coat (on MW lamella)**

		Water absorption after 24 hours	
		< 0,5 kg/m <sup>2</sup>	≥ 0,5 kg/m <sup>2</sup>
Base coat	Baunit ProContact	x	

**Table 12 – Water absorption of rendering coats (on MW lamellas)**

Base coat Baumit ProContact		Water absorption after 24 hours	
		< 0,5 kg/m <sup>2</sup>	≥ 0,5 kg/m <sup>2</sup>
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter:	Baumit SilikatTop	x	
	Baumit NanoporTop	x	
	Baumit StarTop		x
	Baumit SilikonTop	x	
	Baumit SiliporTop	x	
	Baumit GranoporTop	x	
	Baumit StyleTop	x	
	Baumit PuraTop		x
	Baumit Fascina Special	x	
	Baumit CreativTop	x	
	Baumit StellaporTop	x	
	Baumit MosaikTop	x	
	Baumit Mosaik Superfine	x	
	Baumit FineTop	x	
	Baumit NanoporTop Fine	x	
Baumit StarTop Fine		x	
Baumit PuraTop Fine		x	
Baumit GranoporFine	x		

### 3.3.2 Watertightness (ETAG 004 – Clause 5.1.3.2)

#### 3.3.2.1 Hydrothermal behaviour (ETAG 004 – Clause 5.1.3.2.1)

Hygrothermal cycles have been performed on a rig. None of the following defects occurred during the testing:

- blistering or peeling of any finishing coat;
- failure or cracking associated with joints between insulation product boards or profiles fitted with ETICS;
- detachment of render coat;
- cracking allowing water penetration to the insulation layer (normally not bigger than 0,2 mm).

The ETICS is so assessed resistant to hygrothermal cycles, it means ETICS passed the test without defects.

### 3.3.2.2 Freeze-thaw behaviour (ETAG 004 – Clause 5.1.3.2.2)

- The water absorptions of base coat and all rendering systems except the rendering systems with finishing coats Baunit PuraTop and Baunit StarTop are less than 0,5 kg/m<sup>2</sup> after 24 hours and so **the corresponding configuration(s) of the ETICS are assessed as freeze/thaw resistant.**
- The water absorptions of rendering systems with finishing coats Baunit PuraTop and Baunit StarTop were higher than 0,5 kg/m<sup>2</sup> after 24 hours, therefore the ETICS has been assessed as freeze/thaw resistant according to 5.1.3.2.2 of ETAG 004 (used simulated method).

### 3.3.3 Impact resistance (ETAG 004 – Clause 5.1.3.3)

The resistance to hard body impacts (3 Joules and 10 Joules) leads to the following use categories.

**Table 13 – Use categories for ETICS according to impact resistance**

Baunit ProContact + EPS board (EN 13163-TR100)		Single standard mesh	Double standard mesh
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter:	Baunit SilikatTop	Category II	Category I
	Baunit NanoporTop		
	Baunit StarTop		
	Baunit SilikonTop		
	Baunit SiliporTop		
	Baunit GranoporTop		
	Baunit StyleTop		
	Baunit PuraTop		
	Baunit Fascina Special (1 mm, floated structure)	Category III	Category II
	Baunit Fascina Special (2 mm, floated structure)	Category II	Category I
	Baunit CreativTop Fine	Category III	Category II
	Baunit StellaporTop	Category II	Category I
	Baunit MosaikTop	Category II	Category II
	Baunit Mosaik Superfine	Category III	Category II
	Baunit FineTop	Category III	Category II
	Baunit NanoporTop Fine		
	Baunit StarTop Fine		
Baunit PuraTop Fine			
Baunit GranoporFine			

**Table 14 – Use categories for ETICS according to impact resistance**

Baumit ProContact + EPS board (EN 13163-TR100)		Single standard mesh	Double standard mesh
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter + decorative coats indicated hereafter:	Baumit CreativTop Vario + Baumit Creativ Top Silk	Category I	Category I
	Baumit CreativTop Vario + Baumit Creativ Top Pearl	Category I	Category I

**Table 15 – Use categories for ETICS according to impact resistance**

Baumit ProContact + MW board (EN 13162-TR7,5)		Single standard mesh
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter:	Baumit SilikatTop	Category II
	Baumit NanoporTop	
	Baumit StarTop	
	Baumit SilikonTop	
	Baumit SiliporTop	
	Baumit GranoporTop	
	Baumit StyleTop	
	Baumit PuraTop	
	Baumit Fascina Special (1 mm, floated structure)	Category III
	Baumit Fascina Special (2 mm, floated structure)	Category II
	Baumit CreativTop Fine	Category III
	Baumit StellaporTop	Category II
	Baumit MosaikTop	Category II
	Baumit Mosaik Superfine	Category III
	Baumit FineTop	Category III
	Baumit NanoporTop Fine	
Baumit StarTop Fine		
Baumit PuraTop Fine		
Baumit GranoporFine		

**Table 16 – Use categories for ETICS according to impact resistance**

Baumit ProContact (4,5 mm with single mesh) + MW board (EN 13162-TR7,5)		Single standard mesh
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter + decorative coats indicated hereafter:	Baumit CreativTop Vario + Baumit Creativ Top Silk	Category I
	Baumit CreativTop Vario + Baumit Creativ Top Pearl	Category I

**Table 17 – Use categories for ETICS according to impact resistance**

Baumit ProContact + MW lamella (EN 13162-TR80)		Single standard mesh
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter:	Baumit SilikatTop	Category II (at thickness of rendering systems 6 mm)
	Baumit NanoporTop	
	Baumit StarTop	
	Baumit SilikonTop	
	Baumit SiliporTop	
	Baumit GranoporTop	
	Baumit StyleTop	
	Baumit PuraTop	Category III
	Baumit Fascina Special (1 mm, floated structure)	Category II
	Baumit Fascina Special (2 mm, floated structure)	Category III
	Baumit CreativTop Fine	Category II
	Baumit StellaporTop	Category II
	Baumit MosaikTop	Category III
	Baumit Mosaik Superfine	Category III
	Baumit FineTop	
	Baumit NanoporTop Fine	
	Baumit StarTop Fine	
Baumit PuraTop Fine		
Baumit GranoporFine		

**Table 18 – Use categories for ETICS according to impact resistance**

Baumit ProContact + MW lamella (EN 13162-TR80)		Single standard mesh
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter + decorative coats indicated hereafter:	Baumit CreativTop Vario + Baumit Creativ Top Silk	Category I
	Baumit CreativTop Vario + Baumit Creativ Top Pearl	Category I

### 3.3.4 Water vapour permeability (ETAG 004 – Clause 5.1.3.4)

Tested combinations in Tables 19 to 26 are representative for all possible configurations of rendering systems including decorative coat. Hence, no possible configuration exceeds 2 m (in case of ETICS with EPS) of air equivalent thickness and no possible configuration exceeds 1 m (in case of ETICS with MW boards/lamellas) of air equivalent thickness and therefore fulfills the requirement of ETAG 004.

**Table 19 – Water vapour permeability of rendering systems**

Baumit ProContact (applied on EPS) (thickness 3 mm)		Equivalent air thickness (m)
Rendering systems: base coat + key coat Baumit UniPrimer + finishing coats indicated hereafter:	Baumit SilikatTop	$\leq 2,0$ (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm: 0,538), THR is 6,1 mm
	Baumit NanoporTop	$\leq 2,0$ (test results obtained with finishing coat Baumit NanoporTop, floated structure, particles size 3,0 mm: 0,232), THR is 6 mm
	Baumit StarTop	$\leq 2,0$ (test results obtained with finishing coat Baumit StarTop, floated structure, particles size 3,0 mm: 0,286), THR is 6,1 mm
	Baumit SilikonTop	$\leq 2,0$ (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 3,0 mm: 0,580), THR is 6 mm
	Baumit SiliporTop	$\leq 2,0$ (test results obtained with finishing coat Baumit SiloporTop, floated structure, particles size 3,0 mm: 0,343), THR is 6 mm
	Baumit GranoporTop	$\leq 2,0$ (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm: 0,466), THR is 6,1 mm
	Baumit StyleTop	$\leq 2,0$ (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm: 0,664), THR is 6 mm

	Baumit PuraTop	≤ 2,0 (test results obtained with finishing coat Baumit PuraTop, floated structure, particles size 3,0 mm: 0,664), THR is 6,1 mm
	Baumit Fascina Special	≤ 2,0 (test results obtained with finishing coat Baumit Fascina special, floated structure, particles size 3,0 mm: 0,244), THR is 5,9 mm
	Baumit CreativTop	≤ 2,0 (test results obtained with finishing coat Baumit CreativTop Max, floated structure, particles size 4,0 mm: 0,384), THR is 6,9 mm
	Baumit StellaporTop	≤ 2,0 (test results obtained with finishing coat Baumit StellaporTop, floated structure, particles size 3,0 mm: 0,538), THR is 6,1 mm
	Baumit MosaikTop	≤ 2,0 (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm: 0,44), THR is 5,1 mm
	Baumit MosaikSuperfine	≤ 2,0 (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm: 0,44), THR is 5,1 mm
	Baumit FineTop	≤ 2,0 (test results obtained with finishing coat Baumit FineTop, floated structure, particles size 1,0 mm: 0,342), THR is 4,2 mm
	Baumit NanoporTop Fine	≤ 2,0 (test results obtained with finishing coat Baumit NanoporTop Fine, floated structure, particles size 1,0 mm: 0,210), THR is 4,1 mm
	Baumit StarTop Fine	No performance assessed
	Baumit PuraTop Fine	No performance assessed
	Baumit GranoporFine	≤ 2,0 (test results obtained with finishing coat Baumit GranoporFine, floated structure, particles size 1,0 mm: 0,353), THR is 4,1 mm

**Table 20 – Water vapour permeability of rendering systems**

Baumit ProContact (applied on EPS) (thickness 3 mm)		Equivalent air thickness (m)
Rendering systems: base coat +	Baumit SilikatTop	≤ 2,0 (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm: 0,535), THR is 6,1 mm

<p>key coat Baumit PremiumPrimer + finishing coats indicated hereafter:</p>	Baumit NanoporTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit NanoporTop, floated structure, particles size 3,0 mm: 0,229), THR is 6 mm</p>
	Baumit StarTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit StarTop, floated structure, particles size 3,0 mm: 0,664), THR is 6,1 mm</p>
	Baumit SilikonTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 3,0 mm: 0,577), THR is 6 mm</p>
	Baumit SiliporTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit SiloporTop, floated structure, particles size 3,0 mm: 0,340), THR is 6 mm</p>
	Baumit GranoporTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm: 0,463), THR is 6,1 mm</p>
	Baumit StyleTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm: 0,661), THR is 6 mm</p>
	Baumit PuraTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit PuraTop, floated structure, particles size 3,0 mm: 0,661), THR is 6,1 mm</p>
	Baumit Fascina Special	<p>≤ 2,0 (test results obtained with finishing coat Baumit Fascina special, floated structure, particles size 3,0 mm: 0,241), THR is 5,9 mm</p>
	Baumit CreativTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit CreativTop Max, floated structure, particles size 4,0 mm: 0,381), THR is 6,9 mm</p>
	Baumit StellaporTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit StellaporTop, floated structure, particles size 3,0 mm: 0,535), THR is 6,1 mm</p>
	Baumit MosaikTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm: 0,438), THR is 5,1 mm</p>
	Baumit MosaikSuperfine	<p>≤ 2,0 (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm: 0,438), THR is 5,1 mm</p>
	Baumit FineTop	<p>≤ 2,0 (test results obtained with finishing coat Baumit FineTop, floated structure, particles size 1,0 mm: 0,339), THR is 4,2 mm</p>
	Baumit NanoporTop Fine	<p>≤ 2,0 (test results obtained with finishing coat Baumit NanoporTop Fine, floated structure, particles size 1,0 mm: 0,207), THR is 4,1 mm</p>



	Baunit StarTop Fine	No performance assessed
	Baunit PuraTop Fine	No performance assessed
	Baunit GranoporFine	≤ 2,0 (test results obtained with finishing coat Baunit GranoporFine, floated structure, particles size 1,0 mm: 0,350), THR is 4,1 mm

**Table 21 – Water vapour permeability of rendering systems (including decorative coats/paints)**

Baunit ProContact (applied on EPS)		Equivalent air thickness (m)
Rendering systems: base coat + key coat Baunit UniPrimer + finishing coats indicated hereafter:	Baunit SilikatTop Baunit SilikatColor	≤ 2,0 (test results obtained with finishing coat Baunit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baunit SilikatColor: 0,601), THR is 6,4 mm
	Baunit SilikatTop Baunit StarColor	≤ 2,0 (test results obtained with finishing coat Baunit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baunit StarColor: 0,802), THR is 6,4 mm
	Baunit SilikatTop Baunit PuraColor	≤ 2,0 (test results obtained with finishing coat Baunit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baunit ProColor: 0,660), THR is 6,4 mm
	Baunit NanoporTop Baunit NanoporColor	≤ 2,0 (test results obtained with finishing coat Baunit NanoporTop, floated structure, particles size 3,0 mm, Baunit NanoporTop Fine: 0,248), THR is 6,4 mm
	Baunit StarTop Baunit StarColor	≤ 2,0 (test results obtained with finishing coat Baunit StarTop, floated structure, particles size 3,0 mm, Baunit StarColor: 0,550), THR is 6,4 mm
	Baunit SilikonTop Baunit SilikonColor	≤ 2,0 (test results obtained with finishing coat Baunit SilikonTop, floated structure, particles size 3,0 mm, Baunit SilikonColor: 0,640), THR is 6,4 mm
	Baunit SilikonTop Baunit FineTop	≤ 2,0 (test results obtained with finishing coat Baunit SilikonTop, floated structure, particles size 1,5 mm, Baunit FineTop: 0,738), THR is 4,7 mm
	Baunit SiliporTop Baunit FillTop	≤ 2,0 (test results obtained with finishing coat Baunit SiliporTop, floated structure, particles size 3,0 mm, Baunit FillTop: 0,558), THR is 6,7 mm

Baunit GranoporTop Baunit GranoporColor	$\leq 2,0$ (test results obtained with finishing coat Baunit GranoporTop, floated structure, particles size 3,0 mm, Baunit GranoporColor: 0,525), THR is 6,4 mm
Baunit GranoporTop Baunit FillTop	$\leq 2,0$ (test results obtained with finishing coat Baunit GranoporTop, floated structure, particles size 3,0 mm, Baunit FillTop: 0,711), THR is 6,7 mm
Baunit StyleTop Baunit StyleColor	$\leq 2,0$ (test results obtained with finishing coat Baunit StyleTop, floated structure, particles size 3,0 mm, Baunit StyleColor: 0,738), THR is 6,4 mm
Baunit StyleTop Baunit Metallic	$\leq 2,0$ (test results obtained with finishing coat Baunit StyleTop, floated structure, particles size 3,0 mm, Baunit Metallic: 1,056), THR is 6,3 mm
Baunit StyleTop Baunit Finish	$\leq 2,0$ (test results obtained with finishing coat Baunit StyleTop, floated structure, particles size 3,0 mm, Baunit Finish: 0,672), THR is 6,3 mm
Baunit PuraTop Baunit PuraColor	$\leq 2,0$ (test results obtained with finishing coat Baunit PuraTop, floated structure, particles size 3,0 mm, Baunit PuraColor: 0,786), THR is 6,4 mm
Baunit Fascina Special Baunit NanoporColor	$\leq 2,0$ (test results obtained with finishing coat Baunit Fascina special, floated structure, particles size 3,0 mm, Baunit NanoporColor: 0,260), THR is 6,4 mm
Baunit CreativTop Max Baunit SilikonColor	$\leq 2,0$ (test results obtained with finishing coat Baunit CreativTop Max, floated structure, particles size 4,0 mm, Baunit Silikon Color: 0,445), THR is 7,4 mm
Baunit StellaporTop Baunit GranoporColor	$\leq 2,0$ (test results obtained with finishing coat Baunit StellaporTop, floated structure, particles size 3,0 mm, Baunit GranoporColor: 0,597), THR is 6,4 mm
Baunit MosaikTop Baunit Glitter	$\leq 2,0$ (test results obtained with finishing coat Baunit MosaikTop 2, floated structure, particles size 2,0 mm, Baunit Glitter: 0,832), THR is 6 mm
Baunit NanoporTop Fine Baunit NanoporColor	$\leq 2,0$ (test results obtained with finishing coat Baunit NanoporTop Fine, floated structure, particles size 1,0 mm: 0,226), THR is 4,4 mm
Baunit StarTop Fine Baunit StarColor	No performance assessed

	Baumit PuraTop Fine Baumit PuraColor	No performance assessed
	Baumit GranoporFine Baumit GranoporColor	≤ 2,0 (test results obtained with finishing coat Baumit GranoporFine, floated structure, particles size 1,0 mm, Baumit GranoporColor: 0,525), THR is 4,4 mm
	Baumit CreativTop Vario Baumit CreativTop Silk	≤ 2,0 (test results obtained with finishing coat Baumit CreativTop Vario, floated structure, particles size 1,5 mm, Baumit Creativ TopSilk: 0,584), THR is 5,2 mm
	Baumit CreativTop Vario Baumit CreativTop Pearl	≤ 2,0 (test results obtained with finishing coat Baumit CreativTop Vario, floated structure, particles size 1,5 mm, Baumit Creativ TopPearl: 0,588), THR is 4,7 mm
	Baumit CreativTop Trend Baumit CreativTop Silk	≤ 2,0 (test results obtained with finishing coat Baumit CreativTop Trend, floated structure, particles size 3,0 mm. Baumit Creativ TopSilk: 0,684), THR is 5,5 mm
	Baumit CreativTop Fine Baumit CreativTop Silk	≤ 2,0 (test results obtained with finishing coat Baumit CreativTop Fine, floated structure, particles size 1,0 mm, Baumit Creativ TopSilk: 0,643), THR is 4,5 mm

**Table 22 – Water vapour permeability of rendering systems (including decorative coats/paints)**

Baumit ProContact (applied on EPS)		Equivalent air thickness (m)
Rendering systems: base coat + key coat Baumit PremiumPrimer + finishing coats indicated hereafter:	Baumit SilikatTop Baumit SilicatColor	≤ 2,0 (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit SilikatColor: 0,596), THR is 6,4 mm
	Baumit SilikatTop Baumit StarColor	≤ 2,0 (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit StarColor: 0,800), THR is 6,4 mm
	Baumit SilikatTop Baumit PuraColor	≤ 2,0 (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit ProColor: 0,657), THR is 6,4 mm
	Baumit NanoporTop Baumit NanoporColor	≤ 2,0 (test results obtained with finishing coat Baumit NanoporTop, floated structure, particles size 3,0 mm, Baumit NanoporTop Fine: 0,245), THR is 6,4 mm

Baumit StarTop Baumit StarColor	≤ 2,0 (test results obtained with finishing coat Baumit StarTop, floated structure, particles size 3,0 mm, Baumit StarColor: 0,548), THR is 6,4 mm
Baumit SilikonTop Baumit SilikonColor	≤ 2,0 (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 3,0 mm, Baumit SilikonColor: 0,638), THR is 6,4 mm
Baumit SilikonTop Baumit FineTop	≤ 2,0 (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 1,5 mm, Baumit FineTop: 0,735), THR is 4,7 mm
Baumit SiliporTop Baumit FillTop	≤ 2,0 (test results obtained with finishing coat Baumit SiliporTop, floated structure, particles size 3,0 mm. Baumit FillTop: 0,585), THR is 6,7 mm
Baumit GranoporTop Baumit GranoporColor	≤ 2,0 (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm, Baumit GranoporColor: 0,523), THR is 6,4 mm
Baumit GranoporTop Baumit FillTop	≤ 2,0 (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm, Baumit FillTop: 0,708), THR is 6,7 mm
Baumit StyleTop Baumit StyleColor	≤ 2,0 (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm, Baumit StyleColor: 0,735), THR is 6,4 mm
Baumit StyleTop Baumit Metallic	≤ 2,0 (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm, Baumit Metallic: 1,053), THR is 6,3 mm
Baumit StyleTop Baumit Finish	≤ 2,0 (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm, Baumit Finish: 0,669), THR is 6,3 mm
Baumit PuraTop Baumit PuraColor	≤ 2,0 (test results obtained with finishing coat Baumit PuraTop, floated structure, particles size 3,0 mm, Baumit PuraColor: 0,783), THR is 6,4 mm
Baumit Fascina Special Baumit NanoporColor	≤ 2,0 (test results obtained with finishing coat Baumit Fascina special, floated structure, particles size 3,0 mm, Baumit NanoporColor: 0,257), THR is 6,4 mm
Baumit CreativTop Max Baumit SilikonColor	≤ 2,0 (test results obtained with finishing coat Baumit CreativTop Max, floated structure, particles size 4,0 mm, Baumit Silikon Color: 0,442), THR is 7,4 mm

Baunit StellaporTop Baunit GranoporColor	$\leq 2,0$ (test results obtained with finishing coat Baunit StellaporTop, floated structure, particles size 3,0 mm, Baunit GranoporColor: 0,595), THR is 6,4 mm
Baunit MosaikTop Baunit Glitter	$\leq 2,0$ (test results obtained with finishing coat Baunit MosaikTop 2, floated structure, particles size 2,0 mm, Baunit Glitter: 0,830), THR is 6 mm
Baunit NanoporTop Fine Baunit NanoporColor	$\leq 2,0$ (test results obtained with finishing coat Baunit NanoporTop Fine, floated structure, particles size 1,0 mm: 0,223), THR is 4,4 mm
Baunit StarTop Fine Baunit StarColor	No performance assessed
Baunit PuraTop Fine Baunit PuraColor	No performance assessed
Baunit GranoporFine Baunit GranoporColor	$\leq 2,0$ (test results obtained with finishing coat Baunit GranoporFine, floated structure, particles size 1,0 mm, Baunit GranoporColor: 0,523), THR is 4,4 mm
Baunit CreativTop Vario Baunit CreativTop Silk	$\leq 2,0$ (test results obtained with finishing coat Baunit CreativTop Vario, floated structure, particles size 1,5 mm, Baunit Creativ TopSilk: 0,481), THR is 5,2 mm
Baunit CreativTop Vario Baunit CreativTop Pearl	$\leq 2,0$ (test results obtained with finishing coat Baunit CreativTop Vario, floated structure, particles size 1,5 mm, Baunit Creativ TopPearl: 0,585), THR is 4,7 mm
Baunit CreativTop Trend Baunit CreativTop Silk	$\leq 2,0$ (test results obtained with finishing coat Baunit CreativTop Trend, floated structure, particles size 3,0 mm, Baunit Creativ TopSilk: 0,681), THR is 5,5 mm
Baunit CreativTop Fine Baunit CreativTop Silk	$\leq 2,0$ (test results obtained with finishing coat Baunit CreativTop Fine, floated structure, particles size 1,0 mm, Baunit Creativ TopSilk: 0,640), THR is 4,5 mm

Table 23 – Water vapour permeability of rendering systems

Baumit ProContact (applied on MW)	Equivalent air thickness (m)
Rendering systems: base coat + key coat Baumit UniPrimer + finishing coats indicated hereafter:	Baumit SilikatTop $\leq 1,0$ (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm: 0,613), THR is 7,7 mm
	Baumit NanoporTop $\leq 1,0$ (test results obtained with finishing coat Baumit NanoporTop, floated structure, particles size 3,0 mm: 0,307), THR is 7,7 mm
	Baumit StarTop $\leq 1,0$ (test results obtained with finishing coat Baumit StarTop, floated structure, particles size 3,0 mm: 0,361), THR is 7,6 mm
	Baumit SilikonTop $\leq 1,0$ (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 3,0 mm: 0,655), THR is 7,7 mm
	Baumit SiloporTop $\leq 1,0$ (test results obtained with finishing coat Baumit SiloporTop, floated structure, particles size 3,0 mm: 0,418), THR is 7,7 mm
	Baumit GranoporTop $\leq 1,0$ (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm: 0,541), THR is 7,7 mm
	Baumit StyleTop $\leq 1,0$ (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm: 0,739), THR is 7,7 mm
	Baumit PuraTop $\leq 1,0$ (test results obtained with finishing coat Baumit PuraTop, floated structure, particles size 3,0 mm: 0,739), THR is 7,6 mm
	Baumit Fascina Special $\leq 1,0$ (test results obtained with finishing coat Baumit Fascina special, floated structure, particles size 3,0 mm: 0,319), THR is 7,7 mm
	Baumit CreativTop $\leq 1,0$ (test results obtained with finishing coat Baumit CreativTop Max, floated structure, particles size 4,0 mm: 0,459), THR is 8,7 mm
	Baumit StellaporTop $\leq 1,0$ (test results obtained with finishing coat Baumit StellaporTop, floated structure, particles size 3,0 mm: 0,613), THR is 7,7 mm
	Baumit MosaikTop $\leq 1,0$ (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm: 0,515), THR is 7,4 mm
	Baumit MosaikSuperfine $\leq 1,0$ (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm: 0,515), THR is 7,4 mm

	Baumit FineTop	≤ 1,0 (test results obtained with finishing coat Baumit FineTop, floated structure, particles size 1,0 mm: 0,417), THR is 5,7 mm
	Baumit NanoporTop Fine	≤ 1,0 (test results obtained with finishing coat Baumit NanoporTop Fine, floated structure, particles size 1,0 mm: 0,285), THR is 5,7 mm
	Baumit StarTop Fine	No performance assessed
	Baumit PuraTop Fine	No performance assessed
	Baumit GranoporFine	≤ 1,0 (test results obtained with finishing coat Baumit GranoporFine, floated structure, particles size 1,0 mm: 0,428), THR is 5,7 mm

**Table 24 – Water vapour permeability of rendering systems**

Baumit ProContact (applied on MW)		Equivalent air thickness (m)
Rendering systems: base coat + key coat Baumit PremiumPrimer + finishing coats indicated hereafter:	Baumit SilikatTop	≤ 1,0 (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm: 0,610), THR is 7,7 mm
	Baumit NanoporTop	≤ 1,0 (test results obtained with finishing coat Baumit NanoporTop, floated structure, particles size 3,0 mm: 0,282), THR is 7,7 mm
	Baumit StarTop	≤ 1,0 (test results obtained with finishing coat Baumit StarTop, floated structure, particles size 3,0 mm: 0,358), THR is 7,6 mm
	Baumit SilikonTop	≤ 1,0 (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 3,0 mm: 0,652), THR is 7,7 mm
	Baumit SiliporTop	≤ 1,0 (test results obtained with finishing coat Baumit SiloporTop, floated structure, particles size 3,0 mm: 0,415), THR is 7,7 mm
	Baumit GranoporTop	≤ 1,0 (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm: 0,538), THR is 7,7 mm
	Baumit StyleTop	≤ 1,0 (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm: 0,736), THR is 7,7 mm

Baumit PuraTop	$\leq 1,0$ (test results obtained with finishing coat Baumit PuraTop, floated structure, particles size 3,0 mm: 0,736), THR is 7,6 mm
Baumit Fascina Special	$\leq 1,0$ (test results obtained with finishing coat Baumit Fascina special, floated structure, particles size 3,0 mm: 0,316), THR is 7,7 mm
Baumit CreativTop	$\leq 1,0$ (test results obtained with finishing coat Baumit CreativTop Max, floated structure, particles size 4,0 mm: 0,456), THR is 8,7 mm
Baumit StellaporTop	$\leq 1,0$ (test results obtained with finishing coat Baumit StellaporTop, floated structure, particles size 3,0 mm: 0,610), THR is 7,7 mm
Baumit MosaikTop	$\leq 1,0$ (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm: 0,513), THR is 7,4 mm
Baumit MosaikSuperfine	$\leq 1,0$ (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm: 0,513), THR is 7,4 mm
Baumit FineTop	$\leq 1,0$ (test results obtained with finishing coat Baumit FineTop, floated structure, particles size 1,0 mm: 0,414), THR is 5,7 mm
Baumit NanoporTop Fine	$\leq 1,0$ (test results obtained with finishing coat Baumit NanoporTop Fine, floated structure, particles size 1,0 mm: 0,282), THR is 5,7 mm
Baumit StarTop Fine	No performance assessed
Baumit PuraTop Fine	No performance assessed
Baumit GranoporFine	$\leq 1,0$ (test results obtained with finishing coat Baumit GranoporFine, floated structure, particles size 1,0 mm: 0,425), THR is 5,7 mm



**Table 25 – Water vapour permeability of rendering systems  
(including decorative coats/paints)**

Baumit ProContact (applied on MW) (thickness 4,5 mm)	<b>Equivalent air thickness (m)</b>	
Rendering systems: base coat + key coat Baumit UniPrimer + finishing coats indicated hereafter:	Baumit SilikatTop Baumit SilikatColor	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit SilikatColor: 0,676), THR is 7,7 mm
	Baumit SilikatTop Baumit StarColor	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit StarColor: 0,877), THR is 7,7 mm
	Baumit SilikatTop Baumit PuraColor	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit ProColor: 0,735), THR is 7,7 mm
	Baumit NanoporTop Baumit NanoporColor	$\leq 1,0$ (test results obtained with finishing coat Baumit NanoporTop, floated structure, particles size 3,0 mm, Baumit NanoporColor: 0,323), THR is 7,7 mm
	Baumit StarTop Baumit StarColor	$\leq 1,0$ (test results obtained with finishing coat Baumit StarTop, floated structure, particles size 3,0 mm, Baumit StarColor: 0,625), THR is 7,8 mm
	Baumit SilikonTop Baumit SilikonColor	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 3,0 mm, Baumit SilikonColor: 0,716), THR is 7,7 mm
	Baumit SilikonTop Baumit FineTop	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 1,5 mm, Baumit FineTop: 0,813), THR is 6,9 mm
	Baumit SiliporTop Baumit FillTop	$\leq 1,0$ (test results obtained with finishing coat Baumit SiliporTop, floated structure, particles size 3,0 mm, Baumit FillTop: 0,663), THR is 8 mm
	Baumit GranoporTop Baumit GranoporColor	$\leq 1,0$ (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm, Baumit GranoporColor: 0,600), THR is 7,8 mm
	Baumit GranoporTop Baumit FillTop	$\leq 1,0$ (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm, Baumit FillTop: 0,786), THR is 8 mm

Baunit StyleTop Baunit StyleColor	≤ 1,0 (test results obtained with finishing coat Baunit StyleTop, floated structure, particles size 3,0 mm, Baunit StyleColor: 0,813), THR is 7,7 mm
Baunit StyleTop Baunit Metallic	≤ 1,0 (test results obtained with finishing coat Baunit StyleTop, floated structure, particles size 3,0 mm, Baunit Metallic: 1,131), THR is 7,7 mm
Baunit StyleTop Baunit Finish	≤ 1,0 (test results obtained with finishing coat Baunit StyleTop, floated structure, particles size 3,0 mm, Baunit Finish: 0,747), THR is 7,7 mm
Baunit PuraTop Baunit PuraColor	≤ 1,0 (test results obtained with finishing coat Baunit PuraTop, floated structure, particles size 3,0 mm, Baunit PuraColor: 0,861), THR is 7,8 mm
Baunit Fascina Special Baunit NanoporColor	≤ 1,0 (test results obtained with finishing coat Baunit Fascina special, floated structure, particles size 3,0 mm, Baunit NanoporColor: 0,335), THR is 7,7 mm
Baunit CreativTop Max Baunit SilikonColor	≤ 1,0 (test results obtained with finishing coat Baunit CreativTop Max, floated structure, particles size 4,0 mm, Baunit Silikon Color: 0,520), THR is 8,7 mm
Baunit StellaporTop Baunit GranoporColor	≤ 1,0 (test results obtained with finishing coat Baunit StellaporTop, floated structure, particles size 3,0 mm, Baunit GranoporColor: 0,672), THR is 7,7 mm
Baunit MosaikTop Baunit Glitter	≤ 1,0 (test results obtained with finishing coat Baunit MosaikTop 2, floated structure, particles size 2,0 mm, Baunit Glitter: 0,907), THR is 6,7 mm
Baunit NanoporTop Fine Baunit NanoporColor	≤ 1,0 (test results obtained with finishing coat Baunit NanoporTop Fine, floated structure, particles size 1,0 mm: 0,301), THR is 5,7 mm
Baunit StarTop Fine Baunit StarColor	No performance assessed
Baunit PuraTop Fine Baunit PuraColor	No performance assessed
Baunit GranoporFine Baunit GranoporColor	≤ 1,0 (test results obtained with finishing coat Baunit GranoporFine, floated structure, particles size 1,0 mm, Baunit GranoporColor: 0,487), THR is 5,8 mm

	Baumit CreativTop Vario Baumit CreativTop Silk	$\leq 1,0$ (test results obtained with finishing coat Baumit CreativTop Vario, floated structure, particles size 1,5 mm, Baumit Creativ TopSilk: 0,559), THR is 6,8 mm
	Baumit CreativTop Vario Baumit CreativTop Pearl	$\leq 1,0$ (test results obtained with finishing coat Baumit CreativTop Vario, floated structure, particles size 1,5 mm, Baumit Creativ TopPearl: 0,673), THR is 6,1 mm
	Baumit CreativTop Trend Baumit CreativTop Silk	$\leq 1,0$ (test results obtained with finishing coat Baumit CreativTop Trend, floated structure, particles size 3,0 mm, Baumit Creativ TopSilk: 0,436), THR is 7 mm
	Baumit CreativTop Fine Baumit CreativTop Silk	$\leq 1,0$ (test results obtained with finishing coat Baumit CreativTop Fine, floated structure, particles size 1,0 mm, Baumit Creativ TopSilk: 0,728), THR is 6,1 mm

**Table 26 – Water vapour permeability of rendering systems (including decorative coats/paints)**

Baumit ProContact (applied on MW) (thickness 4,5 mm)		Equivalent air thickness (m)
Rendering systems: base coat + key coat Baumit PremiumPrimer + finishing coats indicated hereafter:	Baumit SilikatTop Baumit SilikatColor	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit SilikatColor: 0,673), THR is 7,7 mm
	Baumit SilikatTop Baumit StarColor	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit StarColor: 0,875), THR is 7,7 mm
	Baumit SilikatTop Baumit PuraColor	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikatTop, floated structure, particles size 3,0 mm, decorative paint Baumit ProColor: 0,732), THR is 7,7 mm
	Baumit NanoporTop Baumit NanoporColor	$\leq 1,0$ (test results obtained with finishing coat Baumit NanoporTop, floated structure, particles size 3,0 mm, Baumit NanoporTop Fine: 0,320), THR is 7,7 mm
	Baumit StarTop Baumit StarColor	$\leq 1,0$ (test results obtained with finishing coat Baumit StarTop, floated structure, particles size 3,0 mm, Baumit StarColor: 0,623), THR is 7,8 mm
	Baumit SilikonTop Baumit SilikonColor	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 3,0 mm, Baumit SilikonColor: 0,713), THR is 7,7 mm

Baumit SilikonTop Baumit FineTop	$\leq 1,0$ (test results obtained with finishing coat Baumit SilikonTop, floated structure, particles size 1,5 mm, Baumit FineTop: 0,810), THR is 6,9 mm
Baumit SiliporTop Baumit FillTop	$\leq 1,0$ (test results obtained with finishing coat Baumit SiliporTop, floated structure, particles size 3,0 mm, Baumit FillTop: 0,660), THR is 8 mm
Baumit GranoporTop Baumit GranoporColor	$\leq 1,0$ (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm, Baumit GranoporColor: 0,598), THR is 7,8 mm
Baumit GranoporTop Baumit FillTop	$\leq 1,0$ (test results obtained with finishing coat Baumit GranoporTop, floated structure, particles size 3,0 mm, Baumit FillTop: 0,783, THR is 8 mm
Baumit StyleTop Baumit StyleColor	$\leq 1,0$ (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm, Baumit StyleColor: 0,810), THR is 7,7 mm
Baumit StyleTop Baumit Metallic	$\leq 1,0$ (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm, Baumit Metallic: 1,128), THR is 7,7 mm
Baumit StyleTop Baumit Finish	$\leq 1,0$ (test results obtained with finishing coat Baumit StyleTop, floated structure, particles size 3,0 mm, Baumit Finish: 0,744), THR is 7,7 mm
Baumit PuraTop Baumit PuraColor	$\leq 1,0$ (test results obtained with finishing coat Baumit PuraTop, floated structure, particles size 3,0 mm, Baumit PuraColor: 0,858), THR is 7,8 mm
Baumit Fascina Special Baumit NanoporColor	$\leq 1,0$ (test results obtained with finishing coat Baumit Fascina special, floated structure, particles size 3,0 mm, Baumit NanoporColor: 0,332), THR is 7,7 mm
Baumit CreativTop Max Baumit SilikonColor	$\leq 1,0$ (test results obtained with finishing coat Baumit CreativTop Max, floated structure, particles size 4,0 mm, Baumit Silikon Color: 0,517, THR is 8,7 mm
Baumit StellaporTop Baumit GranoporColor	$\leq 1,0$ (test results obtained with finishing coat Baumit StellaporTop, floated structure, particles size 3,0 mm, Baumit GranoporColor: 0,670), THR is 7,7 mm
Baumit MosaikTop Baumit Glitter	$\leq 1,0$ (test results obtained with finishing coat Baumit MosaikTop 2, floated structure, particles size 2,0 mm, Baumit Glitter: 0,905), THR is 6,7 mm

Baumit NanoporTop Fine Baumit NanoporColor	≤ 1,0 (test results obtained with finishing coat Baumit NanoporTop Fine, floated structure, particles size 1,0 mm: 0,298), THR is 5,7 mm
Baumit StarTop Fine Baumit StarColor	No performance assessed
Baumit PuraTop Fine Baumit PuraColor	No performance assessed
Baumit GranoporFine Baumit GranoporColor	≤ 1,0 (test results obtained with finishing coat Baumit GranoporFine, floated structure, particles size 1,0 mm, Baumit GranoporColor: 0,485), THR is 5,8 mm
Baumit CreativTop Vario Baumit CreativTop Silk	≤ 1,0 (test results obtained with finishing coat Baumit CreativTop Vario, floated structure, particles size 1,5 mm, Baumit Creativ TopSilk: 0,556), THR is 6,8 mm
Baumit CreativTop Vario Baumit CreativTop Pearl	≤ 1,0 (test results obtained with finishing coat Baumit CreativTop Vario, floated structure, particles size 1,5 mm, Baumit Creativ TopPearl: 0,670), THR is 6,1 mm
Baumit CreativTop Trend Baumit CreativTop Silk	≤ 1,0 (test results obtained with finishing coat Baumit CreativTop Trend, floated structure, particles size 3,0 mm, Baumit Creativ TopSilk: 0,434), THR is 7 mm
Baumit CreativTop Fine Baumit CreativTop Silk	≤ 1,0 (test results obtained with finishing coat Baumit CreativTop Fine, floated structure, particles size 1,0 mm, Baumit Creativ TopSilk: 0,725), THR is 6,1 mm

NOTE THR means total thickness of rendering system (base coat+mesh+key coat+finishing coat+(decorative coats)).

### 3.3.5 Release of dangerous substances (ETAG 004 – Clause 5.1.3.5, EOTA TR 034)

In addition to the specific clauses relating to dangerous substances contained in this European Technical Assessment, there may be other requirements applicable to the kit falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). In order to meet provisions of the EU Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

A written declaration was submitted by the ETA-holder- ETICS manufacturer.

### 3.4 Safety and accessibility in use (BWR 4)

#### 3.4.1 Bond strength between base coat and insulation product (ETAG 004 – Clause 5.1.4.1.1)

- Base coat Baumit ProContact onto EPS (EN 13163 – TR100, EN 13163 – TR150)

**Table 27 – Bond strength of base coat onto insulation product**

Conditionings		
Initial state	After the hygrothermal cycles (on the rig)	After the freeze/thaw cycles (on samples)
≥ 0,08 MPa*	≥ 0,08 MPa *	Not performed
* Failure occurred in insulation product.		

- Base coat Baumit ProContact onto MW (EN 13162 – TR7,5, EN 13162 – TR15)

**Table 28 – Bond strength of base coat onto insulation product**

Conditionings		
Initial state	After the hygrothermal cycles (on the rig)	After the freeze/thaw cycles (on samples)
< 0,08 MPa*	< 0,08 MPa *	Not performed
* Failure occurred in insulation product.		

- Base coat Baumit ProContact onto MW lamellas (EN 13162 – TR80)

**Table 29 – Bond strength of base coat onto insulation product**

Conditionings		
Initial state	After the hygrothermal cycles (on the rig)	After the freeze/thaw cycles (on samples)
≥ 0,08 MPa*	Not performed	Not performed
* Failure occurred in insulation product.		

**3.4.2 Bond strength between adhesive and substrate/insulation product (ETAG 004 – Clauses 5.1.4.1.2 and 5.1.4.1.3)**

**Table 30 – Bond strength of adhesive onto substrate and EPS (EN 13163 – TR100 or TR120 or TR150) and MW (EN 13162-TR80)**

		Conditionings		
		Initial state	48 h immersion in water + 2 h 23 °C/50% RH	48 h immersion in water + 7 days 23 °C/50% RH
Baumit ProContact	Concrete	≥ 0,25 MPa	≥ 0,08 MPa	≥ 0,25 MPa
	Insulation product EPS –TR100	≥ 0,08 MPa (min. 0,10 MPa)	≥ 0,03 MPa (min. 0,08 MPa)	≥ 0,08 MPa (min. 0,10 MPa)
	Insulation product EPS –TR150	≥ 0,08 MPa (min. 0,15 MPa)	≥ 0,03 MPa (min. 0,08 MPa)	≥ 0,08 MPa (min. 0,16 MPa)
	Insulation product MW – TR80	≥ 0,08 MPa (min. 0,083 MPa)	≥ 0,03 MPa (min. 0,078 MPa)	< 0,08 MPa* (min. 0,079 MPa)
Baumit NivoFix	Concrete	≥ 0,25 MPa	≥ 0,08 MPa	≥ 0,25 MPa
	Insulation product EPS –TR100	≥ 0,08 MPa (min. 0,10 MPa)	≥ 0,03 MPa (min. 0,08 MPa)	≥ 0,08 MPa (min. 0,10 MPa)
	Insulation product EPS –TR150	≥ 0,08 MPa (min. 0,15 MPa)	≥ 0,03 MPa (min. 0,08 MPa)	≥ 0,08 MPa (min. 0,15 MPa)
	Insulation product MW – TR80	≥ 0,08 MPa (min. 0,081 MPa)	≥ 0,03 MPa (min. 0,075 MPa)	≥ 0,08 MPa (min. 0,077 MPa*)
Baumit Pro Contact	Special anchor Baumit Klebeanker	≥ 0,25 MPa	≥ 0,08 MPa	≥ 0,25 MPa

\*Failure occurred in the insulation product.

The minimum bonded surface S, which shall exceed 20 %, is calculated as follows:  
 $S (\%) = [0,03 \times 100]/B$

where:

B is minimum failure resistance of the adhesive to the insulation product in dry conditions for all failure modes expressed in MPa;

0,03 MPa corresponds to the minimum requirements.

The ETICS shall be installed on the substrate with application of the adhesive on the following minimal surface (% of total) according to Tables 31, 32, 33 and 34.

**Table 31 – Minimum admissible bonded surface area for bonded ETICS**

Tensile strength perpendicular to the faces of the insulation product (Baumit ProTherm (100) and Baumit StarTherm (100))	Minimum admissible bonded surface area of all adhesive defined in ETICS composition
≥ 100 kPa (EPS-EN 13163-TR100)	40 %

**Table 32 – Minimum admissible bonded surface area for mechanically fixed ETICS with supplementary adhesive**

<b>Tensile strength perpendicular to the faces of the insulation product (Baumit ProTherm (100) and Baumit StarTherm (100))</b>	<b>Minimum admissible bonded surface area of all adhesive defined in ETICS composition</b>
≥ 100 kPa (EPS-EN 13163-TR100)	40 %

**Table 33 – Minimum admissible bonded surface area for bonded ETICS**

<b>Tensile strength perpendicular to the faces of the insulation products (Baumit ProTherm (120) and Baumit StarTherm (120))</b>	<b>Minimum admissible bonded surface area of all adhesive defined in ETICS composition</b>
≥ 120 kPa (EPS-EN 13163-TR120)	25 %

**Table 34 – Minimum admissible bonded surface area for mechanically fixed ETICS with supplementary adhesive**

<b>Tensile strength perpendicular to the faces of the insulation products (Baumit ProTherm (120) and Baumit StarTherm (120))</b>	<b>Minimum admissible bonded surface area of all adhesive defined in ETICS composition</b>
≥ 120 kPa (EPS-EN 13163-TR120)	40 %

**Table 35 – Minimum admissible bonded surface area for bonded ETICS**

<b>Tensile strength perpendicular to the faces of the insulation product (Baumit ProTherm (150) and Baumit StarTherm (150))</b>	<b>Minimum admissible bonded surface area of all adhesive defined in ETICS composition</b>
≥ 150 kPa (EPS-EN 13163-TR150)	20 %

**Table 36 – Minimum admissible bonded surface area for mechanically fixed ETICS with supplementary adhesive**

<b>Tensile strength perpendicular to the faces of the insulation product (Baumit ProTherm (150) and Baumit StarTherm (150))</b>	<b>Minimum admissible bonded surface area of all adhesive defined in ETICS composition</b>
≥ 150 kPa (EPS-EN 13163-TR150)	40 %

**Table 37 – Bonded surface area for bonded ETICS**

<b>Tensile strength perpendicular to the faces of the insulation product (mineral wool lamella)</b>	<b>Bonded surface area for bonded ETICS</b>
≥ 80 kPa (MW-EN 13162-TR80)	100 %



### 3.4.3 Bond strength after ageing (ETAG 004 – Clauses 5.1.7.1 and 5.1.7.2)

**Table 38 – Bond strength of rendering systems after ageing (with EPS)  
(ETAG 004 – Clause 5.1.7.1)**

Baumit ProContact		After hydrothermal cycles	After freeze/thaw cycles
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter:	Baumit StellaporTop (2,0 m)	≥ 0,08 MPa	Test not performed because freeze/thaw cycles not necessary
	Baumit NanoporTop Fine		
	Baumit MosaikSuperFine		
	Baumit NanoporTop (3,0 mm)		

**Table 39 – Bond strength of rendering systems after ageing  
(ETAG 004 – Clause 5.1.7.2)**

Baumit ProContact		After 7 days immersion in water + 7 days 23 °C/50% RH (on samples)	After freeze/thaw cycles
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter:	Baumit SilikatTop	≥ 0,08 MPa	Test not performed because freeze/thaw cycles not necessary
	Baumit NanoporTop		≥ 0,08 MPa
	Baumit StarTop		Test not performed because freeze/thaw cycles not necessary
	Baumit SilikonTop		≥ 0,08 MPa
	Baumit SiliporTop		Test not performed because freeze/thaw cycles not necessary
	Baumit GranoporTop		≥ 0,08 MPa
	Baumit StyleTop		Test not performed because freeze/thaw cycles not necessary
	Baumit PuraTop		≥ 0,08 MPa
	Baumit Fascina Special		Test not performed because freeze/thaw cycles not necessary
	Baumit CreativTop		≥ 0,08 MPa
	Baumit StellaporTop		Test not performed because freeze/thaw cycles not necessary
	Baumit MosaikTop		≥ 0,08 MPa
	Baumit MosaikSuperFine		Test not performed because freeze/thaw cycles not necessary
	Baumit FineTop		≥ 0,08 MPa
	Baumit NanoporTop Fine		Test not performed because freeze/thaw cycles not necessary
Baumit StarTop Fine	≥ 0,08 MPa		

	Baunit PuraTop Fine	
	Baunit GranoporFine	

**Table 40 – Bond strength of rendering systems after ageing (with MW board-TR7,5)  
(ETAG 004 – Clause 5.1.7.1)**

Baunit ProContact		After hydrothermal cycles	After freeze/thaw cycles
Rendering systems: base coat + key coats according to Clause 1.1 + finishing coats indicated hereafter + decorative coats indicated hereafter:	Baunit CreativTop Vario CreativTop Silk	< 0,08 MPa  Failure occurs in thermal insulation	Test not performed because freeze/thaw cycles not necessary
	Baunit NanoporTop Fine		

**Table 41 – Bond strength of rendering systems after ageing (with MW board-TR7,5)  
(ETAG 004 – Clause 5.1.7.2)**

Baumit StarContact white		After 7 days immersion in water + 7 days 23 °C/50% RH (on samples)	After freeze/thaw cycles
Rendering systems: base coat + finishing coats indicated hereafter:	Baumit SilikatTop	< 0,08 MPa But failure occurs in thermal insulation	Test not performed because freeze/thaw cycles not necessary
	Baumit NanoporTop		
	Baumit StarTop		< 0,08 MPa but failure occurs in thermal insulation
	Baumit SilikonTop		Test not performed because freeze/thaw cycles not necessary
	Baumit SiliporTop		
	Baumit GranoporTop		
	Baumit StyleTop		
	Baumit PuraTop		< 0,08 MPa but failure occurs in thermal insulation
	Baumit Fascina Special		Test not performed because freeze/thaw cycles not necessary
	Baumit CreativTop		
	Baumit StellaporTop		
	Baumit MosaikTop		
	Baumit MosaikSuperFine		
	Baumit FineTop		
	Baumit NanoporTop Fine		
Baumit StarTop Fine			
Baumit PuraTop Fine			
Baumit GranoporFine			

### 3.4.4 Fixing strength (ETAG 004 – Clause 5.1.4.2)

Test not required because the ETICS fulfills the following criteria:

- The bonded area exceeds 20 % in case of mechanically fixed systems with supplementary adhesive.

### 3.4.5 Wind load resistance (ETAG 004 – Clause 5.1.4.3)

Safety in use of mechanically fixed ETICS using anchors

The following values only apply for the combination (anchor's trade name)/ (EPS board's characteristics) mentioned in the first lines of each table.

**Table 42 – Failure loads of combination of anchors described in below table and insulation product – EPS-EN 13163-TR100**

<b>Anchors for which the following failure loads apply</b>	Trade name	<b>Hilti insulation anchor SD-FV 8</b> Hilti ETICS-ANCHOR D-FV Hilti ETICS-ANCHOR D-FV T Hilti Dämmstoffelement XI-FV Hilti SX-FV Koelner TFIX-8M Koelner TFIX 8S Koelner TFIX 8ST IsoFux NDS8Z IsoFux NDS90Z IsoFux NDM90Z IsoFux NDM8Z IsoFux Rocket	
	Plate diameter (mm)	≥ 60	
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)	≥ 60	
	Tensile strength perpendicular to the face (kPa)	≥ 100	
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)	$R_{panel}$ :	Minimum: <b>450</b> Average: <b>510</b>
	Anchors placed at the panel joint (static foam block test)	$R_{joint}$ :	Minimum: <b>337,5</b> Average: <b>383</b>

**Table 43 – Failure loads of combination of anchors described in below table and insulation product – EPS-EN 13163-TR100**

<b>Anchors for which the following failure loads apply</b>	Trade name	Hilti D8-FV	
	Plate diameter (mm)	≥ 60	
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)	≥ 100	
	Tensile strength perpendicular to the face (kPa)	≥ 100	
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)	$R_{panel}$ :	Minimum: <b>510</b> Average: <b>540</b>
	Anchors placed at the panel joint (static foam block test)	$R_{joint}$ :	Minimum: <b>430</b> Average: <b>470</b>

**Table 44 – Failure loads of combination of anchors described in below table and insulation product – EPS-EN 13163-TR100**

<b>Anchors for which the following failure loads apply</b>	Trade name	fischer TERMOZ 8U fischer TERMOZ 8 N fischer Termoz CN 8 fischer Termoz 8 NZ fischer Termoz 8 SV <b>fischer Termoz 8 UZ</b> fischer Termoz PN 8 KEW InsuFix TSD-V KEW InsuFix TSBD 8 KEW TSD 8
	Plate diameter (mm)	≥ 60
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)	≥ 60
	Tensile strength perpendicular to the face (kPa)	≥ 100
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)	$R_{panel}$ : Minimum: <b>560</b> Average: <b>571</b>
	Anchors placed at the panel joint (static foam block test)	$R_{joint}$ : Minimum: <b>493</b> Average: <b>503</b>

**Table 45 – Failure loads of combination of anchors described in below table and insulation product – EPS-EN 13163-TR100**

<b>Anchors for which the following failure loads apply</b>	Trade name	Bravoll PTH-KZ 60/8-La Bravoll PTH-KZL 60/8-La <b>Bravoll PTH 60/8-La</b> Bravoll PTH-L 60/8-La Bravoll PTH-S 60/8 Bravoll PTH-SX Bravoll PTX Bravoll PTH-EX ejotherm STR U ejotherm STR U 2G ejotherm NT U ejotherm NK U Hilti SX-FV Koelner TFIX 8S Koelner TFIX 8ST KEW TSD-V
	Plate diameter (mm)	≥ 60
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)	≥ 50
	Tensile strength perpendicular to the face (kPa)	≥ 100
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)	$R_{panel}$ : Minimum: <b>502</b> Average: <b>514</b>
	Anchors placed at the panel joint (static foam block test)	$R_{joint}$ : Minimum: <b>322</b> Average: <b>359</b>

**Table 46 – Failure loads of combination of anchors described in below table and insulation product – EPS-EN 13163-TR100**

<b>Anchors for which the following failure loads apply</b>	Trade name	<b>SPIT ISO</b> ejot H1 eco ejot H3 ejotherm NTK U fischer TERMOZ 8 N fischer Termoz 8 NZ fischer TERMOZ KS 8 fischer Termoz CN 8 hilti fixing element XI-FV KOELNER KI-10N KOELNER KI-10NS KI-10, KI-10PA KI-10M KOELNER TFIX-8M KOELNER TFIX-8P	
	Plate diameter (mm)	≥ 50	
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)	≥ 50	
	Tensile strength perpendicular to the face (kPa)	≥ 100	
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)	$R_{panel}$ :	Minimum: <b>407</b> Average: <b>421</b>
	Anchors placed at the panel joint (pull – through test)	$R_{joint}$ :	Minimum: <b>363</b> Average: <b>373</b>

**Table 47 – Failure loads of combination of anchors described in below table and insulation product – EPS-EN 13163-TR100**

<b>Anchors for which the following failure loads apply</b>	Trade name	<b>Hilti HTH</b>	
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)	≥ 100	
	Tensile strength perpendicular to the face (kPa)	≥ 100	
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)	$R_{panel}$ :	Minimum: <b>644,41</b> Average: <b>682,90</b>
	Anchors placed at the panel joint (pull – through test)	$R_{joint}$ :	Minimum: <b>544,99</b> Average: <b>604,04</b>

**Table 48 – Failure loads of combination of anchors described in below table and insulation product – EPS**

<b>Anchors for which the following failure loads apply</b>	Trade name	Baumit KlebeAnker/ Baumit StarTrack	
	Plate diameter (mm)	≥ 60	
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)	≥ 70	
	Tensile strength perpendicular to the face (kPa)	≥ 150	
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (static foam block test – 4 anchors placed at the centre of the panel)	$R_{panel}$ :	Minimum: <b>500</b> Average: <b>614</b>

The following values only apply for the combination (anchor's trade name)/(MW panel's characteristics) mentioned in the first lines of each table.

**Table 49 – Failure loads of combination of anchors described in below table and insulation product – MW-EN 13162-TR7,5 (single density product))**

<b>Anchors for which the following failure loads apply</b>	Trade name		Anchors according to Annex 2	
	Plate diameter (mm)		≥ 60	
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)		≥ 60	
	Tensile strength perpendicular to the face (kPa)		≥ 7,5	
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)		$R_{panel}$ :	Minimum: <b>300</b> Average: <b>320</b>
	Anchors placed at the panel joint (pull – through test)		$R_{joint}$ :	Minimum: <b>250</b> Average: <b>280</b>

**Table 50 – Failure loads of combination of anchors described in below table and insulation product – MW-EN 13162-TR7,5 (single density product)**

<b>Anchors for which the following failure loads apply</b>	Trade name		Anchors according to Annex 2	
	Plate diameter (mm)		≥ 60	
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)		≥ 140	
	Tensile strength perpendicular to the face (kPa)		≥ 7,5	
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)		$R_{panel}$ :	Minimum: <b>470</b> Average: <b>520</b>
	Anchors placed at the panel joint (pull – through test)		$R_{joint}$ :	Minimum: <b>390</b> Average: <b>410</b>

**Table 51 – Failure loads of combination of anchors described in below table and insulation product – MW-EN 13162-TR7,5 (dual density product)**

<b>Anchors for which the following failure loads apply</b>	Trade name		Anchors according to Annex 2 marked with*	
	Plate diameter (mm)		≥ 60	
<b>Characteristic of the insulation product panels for which the following failure loads apply</b>	Thickness (mm)		≥ 60	
	Tensile strength perpendicular to the face (kPa)		≥ 7,5	
<b>Failure loads (N)</b>	Anchors not placed at the panel joint (pull – through test)		$R_{panel}$ :	Minimum: <b>380</b> Average: <b>430</b>
	Anchors placed at the panel joint (pull – through test)		$R_{joint}$ :	Minimum: <b>290</b> Average: <b>360</b>

The wind load resistance of the ETICS  $R_d$  is calculated as follows:

$$R_d = [R_{\text{panel}} \times n_{\text{panel}} + R_{\text{joint}} \times n_{\text{joint}}] / \gamma$$

where

$n_{\text{panel}}$  is number (per m<sup>2</sup>) of anchors not placed at the panel joint;  
 $n_{\text{joint}}$  is number (per m<sup>2</sup>) of anchors placed at the panel joint;  
 $\gamma$  is national safety factor.

### 3.4.6 Render strip tensile test (ETAG 004 – Clause 5.5.4.1)

The mean value of the crack width of the base coats with the glass fibres mesh Baumit StarTex (4 mm × 4 mm) and **Baumit StarTex (160)** have not been tested (No performance assessed).

## 3.5 Protection against noise (BWR 5)

### 3.5.1 Airborne sound insulation (ETAG 004 – Clause 5.1.5.1)

No performance assessed.

## 3.6 Energy economy and heat retention (BWR 6)

### 3.6.1 Thermal resistance (ETAG 004 – Clause 5.1.6.1)

The thermal transmittance of the substrate wall covered by the ETICS is calculated in accordance with the standard EN ISO 6946:

$$U_c = U + \chi_p \cdot n$$

where  $\chi_p \cdot n$  has only to be taken into account if it is greater than 0,04 W/(m<sup>2</sup>·K);  
 $U_c$  global (corrected) thermal transmittance of the covered wall (W/(m<sup>2</sup>·K));  
 $n$  number of anchors (through insulation product) per m<sup>2</sup>;  
 $\chi_p$  local influence of thermal bridge caused by an anchor. The values listed below can be taken into account if not specified in the anchor's ETA:  
 = 0,002 W/K for anchors with a stainless steel screw covered by plastic anchors and for anchors with an air gap at the head of the screw ( $\chi_p \cdot n$  negligible for  $n < 20$ );  
 = 0,004 W/K for anchors with a galvanized steel screw with the head covered by a plastic material ( $\chi_p \cdot n$  negligible for  $n < 10$ );  
 = negligible for anchors with plastic nails (reinforced or not with glass fibres ...);  
 $U$  thermal transmittance of the current part of the covered wall (excluding thermal bridges) (W/ (m<sup>2</sup>·K)) determined as follows:

$$U_c = \frac{1}{R_i + R_{\text{render}} + R_{\text{substrate}} + R_{\text{se}} + R_{\text{si}}}$$

where  $R_i$  thermal resistance of the insulation product (according to declaration in reference to EN 13163) in (m<sup>2</sup>·K)/W;  
 $R_{\text{render}}$  thermal resistance of the render (about 0,02 in (m<sup>2</sup>·K)/W or determined by test according to EN 12667 or EN 12664);  
 $R_{\text{substrate}}$  thermal resistance of the substrate of the building (concrete, brick ...) in (m<sup>2</sup>·K)/W;  
 $R_{\text{se}}$  external superficial thermal resistance in (m<sup>2</sup>·K)/W;  
 $R_{\text{si}}$  internal superficial thermal resistance in (m<sup>2</sup>·K)/W.

The value of thermal resistance of each insulation product shall be given in the manufacturer's documentation along with the possible range of thicknesses. In addition, the point thermal conductivity of anchors shall be given when anchors are used in the ETICS.

## 3.7 Sustainable use of natural resources (BWR 7)

No performance assessed.



**4 Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base**

According to the European Commission Decision 97/556/EC amended by the European Commission Decision 2001/596/EC, the AVCP systems (further described in Annex V to Regulation (EU) No. 305/2011) 1 and 2+ apply.

**Table 52 – Assessment and verification of constancy of performance system**

Product(s)	Intended use(s)	Level(s) or class(es) (Reaction to fire)	System(s)
External thermal insulation composite systems/kits (ETICS) with rendering	in external wall subject to fire regulations	A1 <sup>(1)</sup> , A2 <sup>(1)</sup> , B <sup>(1)</sup> , C <sup>(1)</sup>	1
		A1 <sup>(2)</sup> , A2 <sup>(2)</sup> , B <sup>(2)</sup> , C <sup>(2)</sup> , D, E, (A1 to E) <sup>(3)</sup> , F	2+
	in external wall not subject to fire regulations	any	2+
<sup>(1)</sup> Products/materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material). <sup>(2)</sup> Products/materials not covered by footnote (1). <sup>(3)</sup> Products/materials that do not require to be tested for reaction to fire (e.g. Products/materials of Classes A1 according to Commission Decision 96/603/EC).			

**5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD**

In order to help the Notified Body to make an evaluation of conformity, the Technical Assessment Body issuing the ETA shall supply the information detailed below. This information together with the requirements given in EC Guidance Paper B will generally form the basis on which the factory production control (FPC) is assessed by the Notified Body.

This information shall initially be prepared or collected by the Technical Assessment Body and shall be agreed with the manufacturer. The following gives guidance on the type of information required:

1) The ETA

Where confidentiality of information is required, this ETA makes reference to the manufacturer's technical documentation which contains such information.

2) Basic manufacturing process

The basic manufacturing process is described in sufficient detail to support the proposed FPC methods.

The different components of ETICS are generally manufactured using conventional techniques. Any critical process or treatment of the components which affects performance are highlighted in the manufacturer's documentation.

3) Product and materials specifications

The manufacturer's documentation includes:

- detailed drawings (possibly including manufacturing tolerances);
- incoming (raw) materials specifications and declarations;
- references to European and/or international standards;
- technical data sheets.

4) Control Plan (as a part of FPC)

The manufacturer and the Technický a skúšobný ústav stavebný, n. o. have agreed a Control Plan which is deposited with the Technický a skúšobný ústav stavebný, n. o. in documentation which accompanies the ETA. The Control Plan specifies the type and frequency of checks/tests conducted during production and on the final product. This includes the checks conducted during manufacture on properties that cannot be inspected at a later stage and for checks on the final product.

Products not manufactured by the ETICS manufacturer shall also be tested according to the Control Plan. It must be demonstrated to the Notified Body that the FPC system contains elements securing that the ETICS manufacturer takes products conforming to the Control Plan from his supplier(s).

Where materials/components are not manufactured and tested by the supplier in accordance with agreed methods, then where appropriate they shall be subject to suitable checks/tests by the ETICS manufacturer before acceptance.

In cases where the provisions of the European Technical Assessment and its Control Plan are no longer fulfilled, the Notified Body shall withdraw the certificate and inform Technický a skúšobný ústav stavebný, n. o. without delay.

**Technický a skúšobný ústav stavebný, n. o.**  
Building Testing and Research Institute  
Studená 3, 821 04 Bratislava, Slovak Republic

On behalf of the Technický a skúšobný ústav stavebný, n. o.  
Bratislava, 15 May 2018



prof. Ing. Zuzana Sternová, PhD.  
Head of Technical Assessment Body

**Annexes**

- Annex 1 Insulation product characteristics
- Annex 2 Description and characteristics of the anchors
- Annex 3 Description and characteristics of the reinforcement
- Annex 4 Correspondence between trade names used for components Baunit ProSystem

## Annex 1

### Insulation product characteristics

Table 53 – Characteristics of the insulation product(s)

Description and characteristics	EPS panel “Baumit ProTherm (100)” <i>white color</i>	
	for bonded ETICS	for mechanically fixed ETICS with anchors
Reaction to fire / STN EN 13501-1	Euroclass E (thickness from 20 to 420 mm, density from 13,5 to 18 kg/m <sup>3</sup> )	
Thermal resistance ((m <sup>2</sup> ·K)/W)	Defined in the CE marking in reference to EN 13163 "Thermal insulation products for buildings – Factory made products of expanded polystyrene" $\lambda_{ins} < 0,038 \text{ W/(m·K)}$ (declared value)	
Thickness (mm) / EN 823	EPS - EN 13163 – <b>T1</b>	
Length (mm) / EN 822	EPS - EN 13163 – <b>L2</b> EPS - EN 13163 – <b>L3</b>	
Width (mm) / EN 822	EPS - EN 13163 – <b>W2</b>	
Squareness (mm) / EN 824	EPS - EN 13163 – <b>S2</b> EPS - EN 13163 – <b>S5</b>	
Flatness (mm) / EN 825	EPS - EN 13163 – <b>P5</b> EPS - EN 13163 – <b>P10</b>	
Surface condition	Cut surface (homogeneous and without "skin")	
Dimensional stability under	specified temperature and humidity / EN 1604	EPS - EN 13163 – <b>DS(70,-)1</b> EPS - EN 13163 – <b>DS(70,-)2</b>
	laboratory condition / EN 1603	EPS - EN 13163 – <b>DS(N)2</b>
Bending strength according to EN 12089	EPS - EN 13163 – <b>BS115</b>	
Compressive stress or compressive strength (kPa) / EN 826	EPS - EN 13163 – <b>CS(10)70</b>	
Tensile strength perpendicular to the faces in dry conditions / EN 1607	≥ 100 kPa and < 150 kPa, EPS - EN 13163 – TR100	
Short term water absorption by partial immersion / EN 1609	< 0,5 kg/m <sup>2</sup>	
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086	≥ 20 ≤ 60	
Shear strength (N/mm <sup>2</sup> ) / EN 12090	≥ 0,02 MPa	–
Shear modulus (N/mm <sup>2</sup> ) / EN 12090	≥ 1,0 MPa	–

**Table 54 – Characteristics of the insulation product(s)**

Description and characteristics	EPS panel “Baumit StarTherm (100)” <i>grey color</i>	
	for bonded ETICS	for mechanically fixed ETICS with anchors
Reaction to fire / STN EN 13501-1	Euroclass E (thickness from 20 to 420 mm, density from 13,5 to 18 kg/m <sup>3</sup> )	
Thermal resistance ((m <sup>2</sup> ·K)/W)	Defined in the CE marking in reference to EN 13163 "Thermal insulation products for buildings – Factory made products of expanded polystyrene" $\lambda_{ins}: < 0,031 \text{ W/(m}\cdot\text{K)}$ (declared value)	
Thickness (mm) / EN 823	EPS - EN 13163 – <b>T1</b>	
Length (mm) / EN 822	EPS - EN 13163 – <b>L2</b> EPS - EN 13163 – <b>L3</b>	
Width (mm) / EN 822	EPS - EN 13163 – <b>W2</b>	
Squareness (mm) / EN 824	EPS - EN 13163 – <b>S2</b> EPS - EN 13163 – <b>S5</b>	
Flatness (mm) / EN 825	EPS - EN 13163 – <b>P5</b> EPS - EN 13163 – <b>P10</b>	
Surface condition	Cut surface (homogeneous and without "skin")	
Dimensional stability under	specified temperature and humidity / EN 1604	EPS - EN 13163 – <b>DS(70,-)1</b> EPS - EN 13163 – <b>DS(70,-)2</b>
	laboratory condition / EN 1603	EPS - EN 13163 – <b>DS(N)2</b>
Bending strength according to EN 12089	EPS - EN 13163 – <b>BS115</b>	
Compressive stress or compressive strength (kPa) / EN 826	EPS - EN 13163 – <b>CS(10)70</b>	
Tensile strength perpendicular to the faces in dry conditions / EN 1607	≥ 100 kPa and < 150 kPa, EPS - EN 13163 – TR100	
Short term water absorption by partial immersion / EN 1609	< 0,5 kg/m <sup>2</sup>	
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086	≥ 20 ≤ 60	
Shear strength (N/mm <sup>2</sup> ) / EN 12090	≥ 0,02 MPa	–
Shear modulus (N/mm <sup>2</sup> ) / EN 12090	≥ 1,0 MPa	–

**Table 55 – Characteristics of the insulation product(s)**

Description and characteristics	EPS panel “Baumit ProTherm (120)” <i>white color</i>	
	for bonded ETICS	for mechanically fixed ETICS with anchors
Reaction to fire / STN EN 13501-1	Euroclass E (thickness from 20 to 420 mm, density from 13,5 to 18 kg/m <sup>3</sup> )	
Thermal resistance ((m <sup>2</sup> .K)/W)	Defined in the CE marking in reference to EN 13163 "Thermal insulation products for buildings – Factory made products of expanded polystyrene" $\lambda_{ins}: < 0,038 \text{ W/(m}\cdot\text{K)}$ (declared value)	
Thickness (mm) / EN 823	EPS - EN 13163 – T1 EPS - EN 13163 – T2	
Length (mm) / EN 822	EPS - EN 13163 – L2 EPS - EN 13163 – L3	
Width (mm) / EN 822	EPS - EN 13163 – W2	
Squareness (mm) / EN 824	EPS - EN 13163 – S2 EPS - EN 13163 – S5	
Flatness (mm) / EN 825	EPS - EN 13163 – P5 EPS - EN 13163 – P10	
Surface condition	Cut surface (homogeneous and without "skin")	
Dimensional stability under	specified temperature and humidity / EN 1604	EPS - EN 13163 – DS(70,-)1 EPS - EN 13163 – DS(70,-)2
	laboratory condition / EN 1603	EPS - EN 13163 – DS(N)2
Bending strength according to EN 12089	EPS - EN 13163 – BS115	
Compressive stress or compressive strength (kPa) / EN 826	EPS - EN 13163 – CS(10)70	
Tensile strength perpendicular to the faces in dry conditions / EN 1607	≥ 120 kPa and < 150 kPa, EPS - EN 13163 – TR120	
Short term water absorption by partial immersion / EN 1609	< 0,5 kg/m <sup>2</sup>	
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086	≥ 20 ≤ 60	
Shear strength (N/mm <sup>2</sup> ) / EN 12090	≥ 0,02 MPa	–
Shear modulus (N/mm <sup>2</sup> ) / EN 12090	≥ 1,0 MPa	–

**Table 56 – Characteristics of the insulation product(s)**

Description and characteristics	EPS panel “Baumit ProTherm (120)” <i>grey color</i>	
	for bonded ETICS	for mechanically fixed ETICS with anchors
Reaction to fire / STN EN 13501-1	Euroclass E (thickness from 20 to 420 mm, density from 13,5 to 18 kg/m <sup>3</sup> )	
Thermal resistance ((m <sup>2</sup> ·K)/W)	Defined in the CE marking in reference to EN 13163 "Thermal insulation products for buildings – Factory made products of expanded polystyrene" $\lambda_{ins}: < 0,031 \text{ W/(m}\cdot\text{K)}$ (declared value)	
Thickness (mm) / EN 823		
Length (mm) / EN 822	EPS - EN 13163 – <b>L2</b> EPS - EN 13163 – <b>L3</b>	
Width (mm) / EN 822	EPS - EN 13163 – <b>W2</b>	
Squareness (mm) / EN 824	EPS - EN 13163 – <b>S2</b> EPS - EN 13163 – <b>S5</b>	
Flatness (mm) / EN 825	EPS - EN 13163 – <b>P5</b> EPS - EN 13163 – <b>P10</b>	
Surface condition	Cut surface (homogeneous and without "skin")	
Dimensional stability under	specified temperature and humidity / EN 1604	EPS - EN 13163 – <b>DS(70,-)1</b> EPS - EN 13163 – <b>DS(70,-)2</b>
	laboratory condition / EN 1603	EPS - EN 13163 – <b>DS(N)2</b>
Bending strength according to EN 12089	EPS - EN 13163 – <b>BS115</b>	
Compressive stress or compressive strength (kPa) / EN 826	EPS - EN 13163 – <b>CS(10)70</b>	
Tensile strength perpendicular to the faces in dry conditions / EN 1607	≥ 120 kPa and < 150 kPa, EPS - EN 13163 – TR120	
Short term water absorption by partial immersion / EN 1609	< 0,5 kg/m <sup>2</sup>	
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086	≥ 20 ≤ 60	
Shear strength (N/mm <sup>2</sup> ) / EN 12090	≥ 0,02 MPa	–
Shear modulus (N/mm <sup>2</sup> ) / EN 12090	≥ 1,0 MPa	–

**Table 57 – Characteristics of the insulation product(s)**

Description and characteristics		EPS panel “Baumit ProTherm (150)” <i>white color</i>	
		for bonded ETICS	for mechanically fixed ETICS with anchors
Reaction to fire / STN EN 13501-1		Euroclass E (thickness from 20 to 420 mm, density from 13,5 to 18 kg/m <sup>3</sup> )	
Thermal resistance ((m <sup>2</sup> ·K)/W)		Defined in the CE marking in reference to EN 13163 "Thermal insulation products for buildings – Factory made products of expanded polystyrene" $\lambda_{ins}: < 0,038 \text{ W/(m}\cdot\text{K)}$ (declared value)	
Thickness (mm) / EN 823		EPS - EN 13163 – <b>T1</b>	
Length (mm) / EN 822		EPS - EN 13163 – <b>L2</b> EPS - EN 13163 – <b>L3</b>	
Width (mm) / EN 822		EPS - EN 13163 – <b>W2</b>	
Squareness (mm) / EN 824		EPS - EN 13163 – <b>S2</b> EPS - EN 13163 – <b>S5</b>	
Flatness (mm) / EN 825		EPS - EN 13163 – <b>P5</b> EPS - EN 13163 – <b>P10</b>	
Surface condition		Cut surface (homogeneous and without "skin")	
Dimensional stability under	specified temperature and humidity / EN 1604	EPS - EN 13163 – <b>DS(70,-)1</b> EPS - EN 13163 – <b>DS(70,-)2</b>	
	laboratory condition / EN 1603	EPS - EN 13163 – <b>DS(N)2</b>	
Bending strength according to EN 12089		EPS - EN 13163 – <b>BS115</b>	
Compressive stress or compressive strength (kPa) / EN 826		EPS - EN 13163 – <b>CS(10)70</b>	
Tensile strength perpendicular to the faces in dry conditions / EN 1607		$\geq 150 \text{ kPa}$ and $< 200 \text{ kPa}$ , EPS - EN 13163 – TR150	
Short term water absorption by partial immersion / EN 1609		$< 0,5 \text{ kg/m}^2$	
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086		$\geq 20$ $\leq 60$	
Shear strength (N/mm <sup>2</sup> ) / EN 12090		$\geq 0,02 \text{ MPa}$	–
Shear modulus (N/mm <sup>2</sup> ) / EN 12090		$\geq 1,0 \text{ MPa}$	–

**Table 58 – Characteristics of the insulation product(s)**

Description and characteristics		EPS panel “Baumit StarTherm (150)” <i>grey color</i>	
		for bonded ETICS	for mechanically fixed ETICS with anchors
Reaction to fire / STN EN 13501-1		Euroclass E (thickness from 20 to 420 mm, density from 13,5 to 18 kg/m <sup>3</sup> )	
Thermal resistance ((m <sup>2</sup> ·K)/W)		Defined in the CE marking in reference to EN 13163 "Thermal insulation products for buildings – Factory made products of expanded polystyrene" $\lambda_{ins} < 0,031 \text{ W/(m}\cdot\text{K)}$ (declared value)	
Thickness (mm) / EN 823		EPS - EN 13163 – <b>T1</b>	
Length (mm) / EN 822		EPS - EN 13163 – <b>L2</b> EPS - EN 13163 – <b>L3</b>	
Width (mm) / EN 822		EPS - EN 13163 – <b>W2</b>	
Squareness (mm) / EN 824		EPS - EN 13163 – <b>S2</b> EPS - EN 13163 – <b>S5</b>	
Flatness (mm) / EN 825		EPS - EN 13163 – <b>P5</b> EPS - EN 13163 – <b>P10</b>	
Surface condition		Cut surface (homogeneous and without "skin")	
Dimensional stability under	specified temperature and humidity / EN 1604	EPS - EN 13163 – <b>DS(70,-)1</b> EPS - EN 13163 – <b>DS(70,-)2</b>	
	laboratory condition / EN 1603	EPS - EN 13163 – <b>DS(N)2</b>	
Bending strength according to EN 12089		EPS - EN 13163 – <b>BS115</b>	
Compressive stress or compressive strength (kPa) / EN 826		EPS - EN 13163 – <b>CS(10)70</b>	
Tensile strength perpendicular to the faces in dry conditions / EN 1607		$\geq 150 \text{ kPa}$ and $< 200 \text{ kPa}$ , EPS - EN 13163 – TR150	
Short term water absorption by partial immersion / EN 1609		$< 0,5 \text{ kg/m}^2$	
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086		$\geq 20$ $\leq 60$	
Shear strength (N/mm <sup>2</sup> ) / EN 12090		$\geq 0,02 \text{ MPa}$	–
Shear modulus (N/mm <sup>2</sup> ) / EN 12090		$\geq 1,0 \text{ MPa}$	–



**Table 59 – Characteristics of the insulation product(s)**

Description and characteristics		MW board “Baumit MineralTherm” (single density product)
		for mechanically fixed ETICS with anchors
Reaction to fire / STN EN 13501-1		Euroclass A1 (thickness from 50 to 300 mm, density from 90 to 116,5 kg/m <sup>3</sup> )
Thermal resistance ((m <sup>2</sup> ·K)/W)		Defined in the CE marking in reference to EN 13162 $\lambda_{ins}: < 0,036 \text{ W/(m}\cdot\text{K)}$ (declared value)
Thickness (mm) / EN 823		MW - EN 13162 – <b>T5</b>
Length (mm) / EN 822		MW - EN 13162 – $\pm 2 \%$
Width (mm) / EN 822		MW - EN 13162 – $\pm 1,5 \%$
Squareness (mm) / EN 824		MW - EN 13162 – $\leq 5 \text{ mm/m}$
Flatness (mm) / EN 825		MW - EN 13162 – $\leq 6 \text{ mm}$
Surface condition		Cut surface (homogeneous and <b>with or without "skin"</b> )
Dimensional stability under	specified temperature and humidity / EN 1604	No performance assessed
	laboratory condition / EN 1603	MW - EN 13162 – <b>DS(TH)</b>
Compressive stress or compressive strength (kPa) / EN 826		MW - EN 13162 – <b>CS(10)25</b>
Tensile strength perpendicular to the faces in dry conditions / EN 1607		$\geq 7,5 \text{ kPa}$ , MW - EN 13162 – TR7,5 $\geq 10 \text{ kPa}$ , MW - EN 13162 – TR10
Tensile strength perpendicular to the faces in wet conditions / ETAG 004, Clause 5.2.4.2		Minimum value declared by manufacturer
Short term water absorption by partial immersion / EN 1609		MW - EN 13162 – WS, WL(P)
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086		MW - EN 13162 – MU1
Shear strength (N/mm <sup>2</sup> ) / EN 12090		–
Shear modulus (N/mm <sup>2</sup> ) / EN 12090		–

**Table 60 – Characteristics of the insulation product(s)**

Description and characteristics		MW board “Baumit MineralTherm” (dual density product)
		for mechanically fixed ETICS with anchors
Reaction to fire / STN EN 13501-1		Euroclass A1 (thickness from 50 to 300 mm, density from 90 to 116,5 kg/m <sup>3</sup> )
Thermal resistance ((m <sup>2</sup> ·K)/W)		Defined in the CE marking in reference to EN 13162 $\lambda_{ins}: < 0,036 \text{ W/(m}\cdot\text{K)}$ (declared value)
Thickness (mm) / EN 823		MW - EN 13162 – <b>T5</b>
Length (mm) / EN 822		MW - EN 13162 – $\pm 2 \%$
Width (mm) / EN 822		MW - EN 13162 – $\pm 1,5 \%$
Squareness (mm) / EN 824		MW - EN 13162 – $\leq 5 \text{ mm/m}$
Flatness (mm) / EN 825		MW - EN 13162 – $\leq 6 \text{ mm}$
Surface condition		Cut surface (homogeneous and <b>with or without "skin"</b> )
Dimensional stability under	specified temperature and humidity / EN 1604	No performance assessed
	laboratory condition / EN 1603	MW - EN 13162 – <b>DS(TH)</b>
Compressive stress or compressive strength (kPa) / EN 826		MW - EN 13162 – <b>CS(10)20</b>
Tensile strength perpendicular to the faces in dry conditions / EN 1607		$\geq 7,5 \text{ kPa}$ , MW - EN 13162 – TR7,5 $\geq 10 \text{ kPa}$ , MW - EN 13162 – TR10
Tensile strength perpendicular to the faces in wet conditions / ETAG 004, Clause 5.2.4.2		Minimum value declared by manufacturer
Short term water absorption by partial immersion / EN 1609		MW - EN 13162 – WS, WL(P)
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086		MW - EN 13162 – MU1
Shear strength (N/mm <sup>2</sup> ) / EN 12090		–
Shear modulus (N/mm <sup>2</sup> ) / EN 12090		–

**Table 61 – Characteristics of the insulation product(s)**

Description and characteristics		MW board “Baumit MineralTherm Lamella”
		for fully bonded ETICS with supplementary anchors
Reaction to fire / STN EN 13501-1		Euroclass A1 (thickness from 60 to 300 mm, density from 78 to 116,5 kg/m <sup>3</sup> )
Thermal resistance ((m <sup>2</sup> ·K)/W)		Defined in the CE marking in reference to EN 13162 $\lambda_{\text{ins}} < 0,042 \text{ W/(m}\cdot\text{K)}$ (declared value)
Thickness (mm) / EN 823		MW - EN 13162 – <b>T5</b>
Length (mm) / EN 822		MW - EN 13162 – $\pm 2 \%$
Width (mm) / EN 822		MW - EN 13162 – $\pm 1,5 \%$
Squareness (mm) / EN 824		MW - EN 13162 – $\leq 5 \text{ mm/m}$
Flatness (mm) / EN 825		MW - EN 13162 – $\leq 6 \text{ mm}$
Surface condition		Cut surface (homogeneous and without "skin")
Dimensional stability under	specified temperature and humidity / EN 1604	MW - EN 13162 – <b>DS(T+)-</b>
	laboratory condition / EN 1603	MW - EN 13162 – <b>DS(TH)</b>
Compressive stress or compressive strength (kPa) / EN 826		MW - EN 13162 – <b>CS(10)40</b>
Tensile strength perpendicular to the faces in dry conditions / EN 1607		MW - EN 13162 – TR80
Tensile strength perpendicular to the faces in wet conditions / ETAG 004, Clause 5.2.4.2		Minimum value declared by manufacturer
Short term water absorption by partial immersion / EN 1609		MW – EN 13162 – WS, WL(P)
Water vapour diffusion resistance factor ( $\mu$ ) / EN 12086		MW – EN 13162 – MU1
Shear strength (N/mm <sup>2</sup> ) / EN 12090		min. 0,02 N/mm <sup>2</sup>
Shear modulus (N/mm <sup>2</sup> ) / EN 12090		min. 1,0 N/mm <sup>2</sup>

## Annex 2

### Description and characteristics of anchors

**Table 62 – References to ETAs for anchors used in ETICS “Baumit ProSystem” with EPS**

Trade name	Description Plate stiffness/Load resistance of the anchor plate	Plate diameter mm	Characteristic resistance in substrate stated in
Baumit SDX 8	Nailed in plastic anchor with nail made from polyamide 0,6 kN/mm/1,6 kN Use of category: A, B, C, D, E	60/65	ETA-14/0399
Baumit S SchraubDübel/Baumit N SchlagDübel	Screwed-in plastic anchor with galvanized or stainless steel screw (Baumit S) and nailed-in plastic anchor with galvanized steel overmolded with polyamide (Baumit N) 1,5 kN/mm/2,7 kN Use category (Baumit S): A, B, C, D, E Use category (Baumit N): A, B, C, D, E	60	ETA-17/0078
Bravoll PTH-KZ 60/8/Bravoll PTH 60/8	Nailed-in plastic anchor with (polyamide – PTH) (steel – PTH-KZ) nail and plastic head 0,4 kN/mm/1,8 kN Use of category (Bravoll PTH 60/8): A, B Use of category (Bravoll PTH-KZ 60/8): A, B, C, D	60	ETA-05/0055
Bravoll PTH-S 60/8	Screwed-in plastic anchor with steel screw 0,9 kN/mm/2,6 kN Use of category: A, B, C, D, E	60	ETA-08/0267
Bravoll PTH-SX	Screwed-in plastic anchor with plastic screw 0,5 kN/mm/1,8 kN Use of category: A, B, C, D, E	60	ETA-10/0028
Bravoll PTH-X/Bravoll PTH-EX	Nailed-in plastic anchor with polyamide (PTH X) or steel screw (PTH-EX) 0,6 kN/mm/1,5 kN Use of category: A, B, C, D	60	ETA-13/0951
Ejotherm STR U/Ejotherm STR U 2G	Screwed-in plastic anchor with steel screw and plastic head 0,6 kN/mm/2,08 kN Use of category: A, B, C, D, E	60	ETA-04/0023
Ejotherm NTK U	Nailed-in plastic anchor with polyamide nail and plastic head 0,5 kN/mm/1,4 kN Use of category: A, B, C	60	ETA-07/0026
Ejotherm NT U/Ejotherm NK U	Nailed-in plastic anchor with steel nail 0,6 kN/mm/2,43 kN Use of category: A, B, C	60	ETA-05/0009
Ejot H1 eco	Nailed-in plastic anchor with steel nail 0,6 kN/mm/1,4 kN Use of category: A, B, C	60	ETA-11/0192
EJOT H3	Nailed-in plastic anchor with polyamide nail 0,6 kN/mm/1,25 kN Use of category: A, B, C	60	ETA-14/0130
Ejot H4 eco	Nailed-in plastic anchor with polyamide nail 0,6 kN/mm/1,4 kN Use of category: A, B, C, D, E	60	ETA-11/0192

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fischer Termoz 8 U/fischer TERMOZ 8 N/ fischer Termoz 8 NZ/fischer Termoz 8 UZ	Nailed-in plastic anchor with steel nail 0,5 kN/mm/1,34 kN Use of category: A, B, C (for Fischer Termoz 8 N) Use of category: A, B, C, D (for Fischer Termoz 8 NZ)  Screwed-in plastic anchor with steel screw and plastic head 0,5 kN/mm/2,45 kN Use of category: A, B, C, E (valid for Fischer Termoz 8 U) Use of category: A, B, C, D (valid for Fischer Termoz 8 UZ)	60	ETA-03/0019
fischer Termoz CN 8	Nailed-in polypropylene anchor 0,4 kN/mm/1,6 kN Use of category: A, B, C, D	60	ETA-09/0394
fischer Termoz PN8	Nailed-in plastic anchor with polyamide nail 0,4 kN/mm/1,6 kN Use of category: A, B, C	60	ETA-09/0171
Hilti D8-FV	Screwed-in plastic anchor with screw of galvanised steel 0,63 kN/mm/3,16 kN Use of category: A, B, C, D, E Used for thickness of MW from 100 mm	60	ETA-07/0288
Hilti Dämmstoffelement XI-FV	Plastic part made of polyethylene 0,4 kN/mm/1,6 kN	60	ETA-03/0004
Hilti insulation anchor SD-FV 8/ Hilti HDT-FV90	Nailed-in plastic anchor with polyamide nail 0,3 kN/mm/1,55 kN Use of category: A, B, C	60	ETA-03/0028
Hilti ETICS-ANCHOR D-FV/ Hilti ETICS-ANCHOR D-FV T	Screwed-in plastic anchor with steel screw 0,8 kN/mm/1,93 kN Use of category: A, B, C, D, E	60	ETA-05/0039
Hilti WDVS-Schlagdübel SDK-FV 8	Nailed in plastic anchor with nail made from polyamide 0,5 kN/mm/1,48kN Use of category: A, B, C	60	ETA-07/0302
IsoFux NDS8Z/IsoFux NDS90Z/ IsoFux NDM90Z/IsoFux NDM8Z	Nailed-in plastic anchor with steel screw 0,9 kN/mm/2,2 kN Use of category: A, B, C	60	ETA-07/0129
IsoFux Rocket	Screwed-in plastic anchor with steel screw 1,1 kN/mm/2,5 kN Use of category: A, B, C, E	60	ETA-12/0093
KEW TSD 8	Nailed in anchor with galvanized steel nail 0,6 kN/mm/1,6 kN Use of category: A, B, C, D	60	ETA-04/0030
SPIT ISO	Naled in plastic anchor with plastic nail 0,3kN/mm/1,0kN Use of category: A, B, C	50 to 60	90 ETA-04/0076
KEW InsuFix TSD-V	Nailed in anchor with galvanized steel nail 1,24 kN/mm/1,75 kN Use of category: A, B, C	60	ETA-08/0315
KEW InsuFix TSBD	Nailed in anchor with galvanized steel nail 1,6 kN/mm/2,22 kN Use of category: A, B, C, D	60	ETA-08/0314
Koelner TFIX KI-10N/KI-10NS	Nailed-in plastic anchor with steel nail 0,5 kN/mm /1,23 kN Use of category: B, C, D, E (for KOELNER KI-10N) Use of category: A, B, C, D, E (for KOELNER KI-10NS)	60	ETA-07/0221
Koelner KI-10/KI-10PA/KI-10M	Nailed-in plastic anchor with polypropylene nail 0,5 kN/mm/2,1 kN (for KI-10, KI-10PA) 0,4 kN/mm/2,6 kN (for KI-10M) Use of category: A, B, C, D, E	60	ETA-07/0291

Baunit KlebeAnker/Baunit StarTrack/ Baunit Klebeanker JJ A8+	Use of category: A, B, C, E	60	ETA-06/0015
Baunit KlebeAnker/Baunit StarTrack/ Baunit Klebeanker Duplex JJ A8S	Use of category: A, B, C, E	60	ETA-12/0064
Koelner TFIX-8M	Nailed-in anchor with nail of galvanized steel 1,0 kN/mm/1,75 kN Use of category: A, B, C	60	ETA-07/0336
Koelner TFIX 8P	Nailed-in plastic anchor with nail of galvanised steel 0,3 kN/mm/1,38 kN Use of category: A, B, C, D, E	60	ETA-13/0845
Koelner TFIX-8S/Koelner TFIX-8ST	Screwed-in anchor with screw of galvanised steel 0,6 kN/mm/2,04 kN Use of category: A, B, C, D (for KOELNER TFIX 8S) Use of category: A, B, C, D, E (for KOELNER TFIX 8ST)	60	ETA-11/0144
Hilti HTH Used only with EPS equal or bigger than 100 mm	Screwed-in anchor with polypropylene helix and special screw of galvanized steel Use category: A, B, C, D, E	75	ETA-15/0464
Hilti HTR-P	Screwed-in plastic anchor with screw of polyamide 0,6 kN/mm/1,4 kN Use category: A, B, C, D, E	60	ETA-16/0116
Top Kraft PSK	Nailed-in plastic anchor with nail of galvanized steel 0,7 kN/mm/1,9 kN Use category: A, B, C	60	ETA-15/0463
Top Kraft PSV	Screwed-in plastic anchor with screw of galvanized steel 0,8 kN/mm/1,1 kN Use category: A, B, C, D, E	60	ETA-16/0120
Top Kraft PPV	Screwed-in plastic anchor with screw of galvanized zinc coated steel 0,7 kN/mm/1,4 kN Use category: A, B, C, E	60	ETA-15/0244

**Table 63 – References to ETAs for anchors used in ETICS “Baunit ProSystem” with MW**

Trade name	Description Plate stiffness/Load resistance of the anchor plate	Plate diameter mm	Characteristic resistance in substrate stated in
Baunit SDX 8	Nailed in plastic anchor with nail made from polyamide 0,6 kN/mm/1,6 kN Use of category: A, B, C, D, E	60/65	ETA-14/0399
Baunit S SchraubDübel/ Baunit N SchlagDübel	Screwed-in plastic anchor with galvanized or stainless steel screw (Baunit S) and nailed-in plastic anchor with galvanized steel overmolded with polyamide (Baunit N) 1,5 kN/mm/2,7 kN Use category (Baunit S): A, B, C, D, E Use category (Baunit N): A, B, C, D, E	60	ETA-17/0078
Bravoll PTH-KZ 60/8/Bravoll PTH 60/8*	Nailed-in plastic anchor with (polyamide – PTH) (steel – PTH-KZ) nail and plastic head 0,4 kN/mm/1,8 kN Use of category (Bravoll PTH 60/8): A, B Use of category (Bravoll PTH-KZ 60/8): A, B, C, D	60	ETA-05/0055
Bravoll PTH-S 60/8	Screwed-in plastic anchor with steel screw 0,9 kN/mm/2,6 kN Use of category: A, B, C, D, E	60	ETA-08/0267

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Bravoll PTH-SX	Screwed-in plastic anchor with plastic screw 0,5 kN/mm/1,8 kN Use of category: A, B, C, D, E	60	ETA-10/0028
Bravoll PTH-X/Bravoll PTH-EX	Nailed-in plastic anchor with polyamide (PTH X) or steel screw (PTH-EX) 0,6 kN/mm/1,5 kN Use of category: A, B, C, D	60	ETA-13/0951
Ejotherm STR U*/Ejotherm STR U 2G*	Screwed-in plastic anchor with steel screw and plastic head 0,6 kN/mm/2,08 kN Use of category: A, B, C, D, E	60	ETA-04/0023
Ejotherm NTK U	Nailed-in plastic anchor with polyamide nail and plastic head 0,5 kN/mm/1,4 kN Use of category: A, B, C	60	ETA-07/0026
Ejotherm NT U/Ejotherm NK U	Nailed-in plastic anchor with steel nail 0,6 kN/mm/2,43 kN Use of category: A, B, C	60	ETA-05/0009
Ejot H1 eco	Nailed-in plastic anchor with steel nail 0,6 kN/mm/1,4 kN Use of category: A, B, C	60	ETA-11/0192
EJOT H3	Nailed-in plastic anchor with polyamide nail 0,6 kN/mm/1,25 kN Use of category: A, B, C	60	ETA-14/0130
Ejot H4 eco	Nailed-in plastic anchor with polyamide nail 0,6 kN/mm/1,4 kN Use of category: A, B, C, D, E	60	ETA-11/0192
fischer Termoz 8 U/fischer TERMOZ 8 N/ fischer Termoz 8 NZ/fischer Termoz 8 UZ	Nailed-in plastic anchor with steel nail 0,5 kN/mm/1,34 kN Use of category: A, B, C (for Fischer Termoz 8 N) Use of category: A, B, C, D (for Fischer Termoz 8 NZ)  Screwed-in plastic anchor with steel screw and plastic head 0,5 kN/mm/2,45 kN Use of category: A, B, C, E (valid for Fischer Termoz 8 U) Use of category: A, B, C, D (valid for Fischer Termoz 8 UZ)	60	ETA-03/0019
fischer Termoz CN 8	Nailed-in polypropylene anchor 0,4 kN/mm/1,6 kN Use of category: A, B, C, D	60	ETA-09/0394
fischer Termoz PN8	Nailed-in plastic anchor with polyamide nail 0,4 kN/mm/1,6 kN Use of category: A, B, C	60	ETA-09/0171
Hilti D8-FV*	Screwed-in plastic anchor with screw of galvanised steel 0,63 kN/mm/3,16 kN Use of category: A, B, C, D, E Used for thickness of MW from 100 mm	60	ETA-07/0288
Hilti Dämmstoffelement XI-FV	Plastic part made of polyethylene 0,4 kN/mm/1,6 kN	60	ETA-03/0004
Hilti insulation anchor SD-FV 8/ Hilti HDT-FV90*	Nailed-in plastic anchor with polyamide nail 0,3 kN/mm/1,55 kN Use of category: A, B, C	60	ETA-03/0028
Hilti ETICS-ANCHOR D-FV*/ Hilti ETICS-ANCHOR D-FV T*	Screwed-in plastic anchor with steel screw 0,8 kN/mm/1,93 kN Use of category: A, B, C, D, E	60	ETA-05/0039
Hilti WDVS-Schlagdübel SDK-FV 8	Nailed in plastic anchor with nail made from polyamide 0,5 kN/mm/1,48kN Use of category: A, B, C	60	ETA-07/0302

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IsoFux NDS8Z*/IsoFux NDS90Z/ IsoFux NDM90Z/IsoFux NDM8Z	Nailed-in plastic anchor with steel screw 0,9 kN/mm/2,2 kN Use of category: A, B, C	60	ETA-07/0129
IsoFux Rocket*	Screwed-in plastic anchor with steel screw 1,1 kN/mm/2,5 kN Use of category: A, B, C, E	60	ETA-12/0093
KEW TSD 8	Nailed in anchor with galvanized steel nail 0,6 kN/mm/1,6 kN Use of category: A, B, C, D	60	ETA-04/0030
KEW InsuFix TSD-V	Nailed in anchor with galvanized steel nail 1,24 kN/mm/1,75 kN Use of category: A, B, C	60	ETA-08/0315
KEW InsuFix TSBD	Nailed in anchor with galvanized steel nail 1,6 kN/mm/2,22 kN Use of category: A, B, C, D	60	ETA-08/0314
Koelner TFIX KI-10N/KI-10NS	Nailed-in plastic anchor with steel nail 0,5 kN/mm /1,23 kN Use of category: B, C, D, E (for KOELNER KI-10N) Use of category: A, B, C, D, E (for KOELNER KI-10NS)	60	ETA-07/0221
Koelner KI-10/KI-10PA/KI-10M	Nailed-in plastic anchor with polypropylene nail 0,5 kN/mm/2,1 kN (for KI-10, KI-10PA) 0,4 kN/mm/2,6 kN (for KI-10M) Use of category: A, B, C, D, E	60	ETA-07/0291
Koelner TFIX-8M	Nailed-in anchor with nail of galvanized steel 1,0 kN/mm/1,75 kN Use of category: A, B, C	60	ETA-07/0336
Koelner TFIX 8P	Nailed-in plastic anchor with nail of galvanized steel 0,3 kN/mm/1,38 kN Use of category: A, B, C, D, E	60	ETA-13/0845
Koelner TFIX-8S*/Koelner TFIX-8ST*	Screwed-in anchor with screw of galvanized steel 0,6 kN/mm/2,04 kN Use of category: A, B, C, D (for KOELNER TFIX 8S) Use of category: A, B, C, D, E (for KOELNER TFIX 8ST)	60	ETA-11/0144
Hilti HTR-P	Screwed-in plastic anchor with screw of polyamide 0,6 kN/mm/1,4 kN Use category: A, B, C, D, E	60	ETA-16/0116
Top Kraft PSK	Nailed-in plastic anchor with nail of galvanized steel 0,7 kN/mm/1,9 kN Use category: A, B, C	60	ETA-15/0463
Top Kraft PSV	Screwed-in plastic anchor with screw of galvanized steel 0,8 kN/mm/1,1 kN Use category: A, B, C, D, E	60	ETA-16/0120
Top Kraft PPV	Screwed-in plastic anchor with screw of galvanized zinc coated steel 0,7 kN/mm/1,4 kN Use category: A, B, C, E	60	ETA-15/0244

In ETICS “Baumit ProSystem” can be used also other types of anchors as stated in Tables 62 and 63, after adding them to the control plan of manufacturer of ETICS on previous agreement between Technický a skúšobný ústav stavebný, n. o. (TSÚS) and Baumit Beteiligungen GmbH. These additional anchors will be added to listed anchors in Tables 62 and 63 of ETA in the next coming version.



### Annex 3

#### Description and characteristics of the reinforcement

Table 64 – Description and characteristics of the reinforcement

Mesh trade name	Description	Alkaline resistance (5.6.7.1 of ETAG 004)			
		Residual strength after ageing (N/mm)		Relative residual resistance: % (after ageing) of the strength in the as delivered state	
		Warp	Weft	Warp	Weft
Baunit StarTex/Baunit Textilglasgitter/Baunit ProTex	Standard mesh: Mesh size: 4 mm × 4,5 mm Mass per unit area: min. 145 g/m <sup>2</sup>	≥ 20		≥ 50	
Baunit StarTex (160)	Standard mesh: Mesh size: 3,5 mm × 3,8 mm 3,5 mm × 3,8 mm Mass per unit area: min. 160 g/m <sup>2</sup>	≥ 20		≥ 50	

## Annex 4

### Correspondence between trade names used for components

<b>Adhesive</b>	Baumit ProContact		Baumit ProContact DC 56		
	Baumit NivoFix	Baumit PaneloFix	Baumit WDVS-Kleber		
<b>Insulation board</b>	Baumit ProTherm (100)		Baumit Fassadendämmplatte EPS-F (100)		
	Baumit StarTherm (100)		Baumit Fassadendämmplatte EPS-F plus (100)		
	Baumit ProTherm (120)		Baumit Fassadendämmplatte EPS-F (120)		
	Baumit StarTherm (120)		Baumit Fassadendämmplatte EPS-F plus (120)		
	Baumit ProTherm (150)		Baumit Fassadendämmplatte EPS-F (150)		
	Baumit StarTherm (150)		Baumit Fassadendämmplatte EPS-F plus (150)		
	Baumit MineralTherm		Baumit Fassadendämmplatte Mineral		
	Baumit MineralTherm Lamella				
<b>Special anchor</b>	Baumit KlebeAnker		Baumit StarTrack		
<b>Base coat</b>	Baumit ProContact		Baumit ProContact DC56		
<b>Glass fibre mesh</b>	Baumit StarTex	Baumit Textilglasgitter	Baumit ProTex		
	Baumit StarTex (160)				
<b>Key coats</b>	Baumit UniPrimer	Baumit UniversalGrund	Baumit ProPrimer		
	Baumit PremiumPrimer	Baumit Premium Primer DG 27	Baumit DecorGrundierung DG 27		
<b>Finishing coats</b>	Baumit SilikatTop		Baumit SilikatPutz		
	Baumit NanoporTop		Baumit NanoporPutz		
	Baumit StarTop				
	Baumit SilikonTop		Baumit SilikonPutz		
	Baumit SiliporTop		Baumit SiliporPutz		
	Baumit GranoporTop		Baumit GranoporPutz		
	Baumit StyleTop				
	Baumit PuraTop				
	Baumit Fascina Special	Baumit Classico Special	Baumit Edelputz Special	Baumit ScheibenPutz SEP	
	Baumit CreativTop				
	Baumit StellaporTop				
	Baumit MosaikTop				
	Baumit Mosaik Superfine				
	Baumit FineTop	Baumit SilikonFine	Baumit UniTop Fine		
	Baumit NanoporTop Fine		Baumit NanoporFine		
	Baumit StarTop Fine				
	Baumit PuraTop Fine				
Baumit GranoporFine					
<b>Decorative coat/plaster</b>	Baumit CreativTop Silk		Baumit CreativTop S-Fine		
	Baumit FillTop		Baumit UniTop Fill		
	Baumit CreativTop Pearl				
<b>Decorative coat/paint</b>	Baumit NanoporColor		Baumit Nanopor Farbe		
	Baumit StarColor				
	Baumit SilikonColor		Baumit SiliconFarbe		
	Baumit SilikatColor		Baumit SilikatFarbe		
	Baumit PuraColor		Baumit ProColor		
	Baumit GranoporColor		Baumit GranoporFarbe		
	Baumit StyleColor	Baumit ArtlineFarbe	Baumit ArtlineColor		
	Baumit Metallic		Baumit Artline Metallic		
	Baumit Lasur		Baumit Artline Lasur		
	Baumit Finish		Baumit ArtlineFinish		
	Baumit Glitter		Baumit Artline Glitter		

**Combination of finishing coats and decorative coats**

	Baumit NanoporColor	Baumit StarColor	Baumit SilikonColor	Baumit SilikatColor	Baumit PuraColor	Baumit GranoporColor	Baumit StyleColor
Baumit NanoporTop	x	x			x		
Baumit StarTop	x	x			x		
Baumit StyleTop	x	x	x		x	x	x
Baumit PuraTop	x	x	x		x	x	x
Baumit SilikonTop	x	x	x		x	x	x
Baumit SilikatTop	x	x	x	x	x		x
Baumit SiliporTop	x	x	x		x	x	x
Baumit StellaporTop	x	x	x		x	x	x
Baumit GranoporTop	x	x	x	x	x	x	x
Baumit CreativTop	x	x	x		x	x	x
Baumit FineTop	x	x	x		x	x	x
Baumit NanoporTop Fine	x	x			x		
Baumit StarTop Fine	x	x			x		
Baumit PuraTop Fine	x	x	x		x	x	x
Baumit GranoporFine	x	x	x	x	x	x	x

**Combination of finishing coats and decorative coats**

	Baumit Metallic	Baumit Lasur	Baumit Glitter	Baumit Finish	Baumit CreativTop Silk	Baumit CreativTop Pearl	Baumit FillTop
Baumit NanoporTop	x	x	x	x	x	x	x
Baumit StarTop	x	x	x	x	x	x	x
Baumit StyleTop	x	x	x	x	x	x	x
Baumit PuraTop	x	x	x	x	x	x	x
Baumit SilikonTop	x	x	x	x	x	x	x
Baumit SilikatTop	x	x	x	x	x	x	x
Baumit SiliporTop	x	x	x	x	x	x	x
Baumit StellaporTop	x	x	x	x	x	x	x
Baumit GranoporTop	x	x	x	x	x	x	x
Baumit CreativTop	x	x	x	x	x	x	x
Baumit FineTop	x	x	x	x	x	x	x
Baumit NanoporTop Fine	x	x	x	x	x	x	x
Baumit StarTop Fine	x	x	x	x	x	x	x
Baumit PuraTop Fine	x	x	x	x	x	x	x
Baumit GranoporFine	x	x	x	x	x	x	x
Baumit MosaikTop				x			
Baumit MosaikSuperFine				x			