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European Technical Assessment

**ETA-26/0230
of 04/05/2026**

General Part

Technical Assessment Body issuing the European Technical Assessment:
Technical and Test Institute for Construction Prague

**Trade name of the construction
product**

WDVS HASITHERM POL

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

Product area code: 4
External Thermal Insulation Composite
Systems (ETICS) with renderings

Manufacturer

Kreisel Slovensko, s.r.o.

Lozorno 932
900 55 Lozorno
Slovakia

Manufacturing plant(s)

Kreisel Slovensko, s.r.o.
Lozorno 932
900 55 Lozorno
Slovakia

**This European Technical Assessment
contains**

60 pages including 5 Annexes which form an
integral part of this assessment.

**This European Technical Assessment
is issued in accordance with Article
95(4) of Regulation (EU) 2024/3110, on
the basis of**

Annex No. 6 Control Plan contains confidential
information and is not included in the European
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is publicly disseminated.

European Assessment Document (EAD)
040083-01-0404

External Thermal Insulation Composite
Systems (ETICS) with renderings

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Specific Parts

1 Technical description of the product

The product is a kit of External Thermal Insulation Composite System with rendering system (hereinafter referred to as ETICS) to be applied on site onto external walls.

1.1 Composition of the product (kit)

Table 1

Use and variant	Component	Coverage [kg/m ²]	Thickness [mm]
Adhesive 1	WDVS Klebemörtel 803 / WDVS Klebemörtel 803S Powder requiring addition of water 0.25 l/kg Use as adhesive or supplementary adhesive For additional specifications see Annex No. 1	4 - 5 (powder)	2 - 40
Adhesive 2	Haft- und Armierungsmörtel MAX 8 weiss Powder requiring addition of water 0.28 l/kg Use as adhesive or supplementary adhesive For additional specifications see Annex No. 1	4 - 5 (powder)	2 - 40
Adhesive 3	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Powder requiring addition of water 0.25 l/kg Use as adhesive or supplementary adhesive For additional specifications see Annex No. 1	4 - 5 (powder)	2 - 40
Thermal insulation product 1	Expanded polystyrene (EPS) by EN 13163 For additional specifications see Annex No. 2	N/A	60 – 320
Mechanical fixing device 1	Plastic anchors made of virgin or non –virgin material for fixing of external thermal insulation composite systems with rendering For additional specifications see Annex No. 3	N/A	N/A
Base coat 1	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Powder requiring addition of water 0.25 l/kg For additional specifications see Annex No. 1	4 – 5 (for double reinforcement: 6.0 - 7.0) (powder)	3 – 5 (for double reinforcement: 5.0)
Base coat 2	Haft- und Armierungsmörtel MAX 8 weiss Powder requiring addition of water 0.28 l/kg For additional specifications see Annex No. 1	4 – 5 (for double reinforcement: 6.0 - 7.0) (powder)	3 – 5 (for double reinforcement: 5.0)
Glass fibre mesh 1	R 117 A101 / AKE 145 Standard glass fibre mesh, one or two layers. Embedded in the base coat. For additional specifications see Annex No. 4	0.14 – 0.18 (per layer)	N/A
Glass fibre mesh 2	R 131 A101 / AKE 160 / AKE 170 Standard glass fibre mesh, one or two layers. Embedded in the base coat. For additional specifications see Annex No. 4	0.16 – 0.20 (per layer)	N/A
Glass fibre mesh 3	R 167 A101 Standard glass fibre mesh, one or two layers. Embedded in the base coat. For additional specifications see Annex No. 4	0.16 – 0.20 (per layer)	N/A

Use and variant	Component	Coverage [kg/m ²]	Thickness [mm]
Glass fibre mesh 4	SSA-1363-4 SM Standard glass fibre mesh, one or two layers. Embedded in the base coat. For additional specifications see Annex No. 4	0.16 – 0.20 (per layer)	N/A
Glass fibre mesh 5	REDNET CB330 NOVA Reinforced glass fibre mesh, one layer. Embedded in the base coat. For additional specifications see Annex No. 4	0.32 – 0.36 (per layer)	N/A
Glass fibre mesh 6	Standard glass fibre mesh, one layer. Embedded in the base coat. For additional specifications see Annex No. 4	0.15 – 0.35 (per layer)	N/A
Key coat 1	TREND Grund U 340 Use mandatorily with finishing coats 1 - 24 For additional specifications see Annex No. 1	0.2 - 0.3 (liquid)	≤ 0.2 (per layer)
Render 1	MINERAL PUTZ 062 K 1.0 mm Grain structure, max. particle size 1.0 mm Powder requiring addition of water 0.25 l/kg For additional specifications see Annex No. 1	2.1 (powder)	~ 1.0
Render 2	MINERAL PUTZ 062 K 1.5 mm Grain structure, max. particle size 1.5 mm Powder requiring addition of water 0.25 l/kg For additional specifications see Annex No. 1	2.5 (powder)	~ 1.5
Render 3	MINERAL PUTZ 062 K 2.0 mm Grain structure, max. particle size 2.0 mm Powder requiring addition of water 0.25 l/kg For additional specifications see Annex No. 1	2.9 (powder)	~ 2.0
Render 4	MINERAL PUTZ 062 K 3.0 mm Grain structure, max. particle size 3.0 mm Powder requiring addition of water 0.25 l/kg For additional specifications see Annex No. 1	4.3 (powder)	~ 3.0
Render 5	MINERAL PUTZ 061 R 1.0 mm Ribbed structure, max. particle size 1.0 mm Powder requiring addition of water 0.25 l/kg For additional specifications see Annex No. 1	2.0 (powder)	~ 1.0
Render 6	MINERAL PUTZ 061 R 2.0 mm Ribbed structure, max. particle size 2.0 mm Powder requiring addition of water 0.25 l/kg For additional specifications see Annex No. 1	2.8 (powder)	~ 2.0
Render 7	MINERAL PUTZ 061 R 3.0 mm Ribbed structure, max. particle size 3.0 mm Powder requiring addition of water 0.25 l/kg For additional specifications see Annex No. 1	4.1 (powder)	~ 3.0
Render 8	TREND AKRYL K 0.5 mm / TREND AKRYL CALIFORNIA K 0.5 mm Grain structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 9	TREND AKRYL K 1.0 mm / TREND AKRYL CALIFORNIA K 1.0 mm Grain structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.6 (paste)	~ 1.0
Render 10	TREND AKRYL K 1.5 mm / TREND AKRYL CALIFORNIA K 1.5 mm Grain structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 1.5

Use and variant	Component	Coverage [kg/m ²]	Thickness [mm]
Render 11	TREND AKRYL K 2.0 mm / TREND AKRYL CALIFORNIA K 2.0 mm Grain structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.5 (paste)	~ 2.0
Render 12	TREND AKRYL K 3.0 mm / TREND AKRYL CALIFORNIA K 3.0 mm Grain structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	5.0 (paste)	~ 3.0
Render 13	TREND AKRYL R 0.5 mm / TREND AKRYL CALIFORNIA R 0.5 mm Ribbed structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 14	TREND AKRYL R 1.0 mm / TREND AKRYL CALIFORNIA R 1.0 mm Ribbed structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.0 (paste)	~ 1.0
Render 15	TREND AKRYL R 1.5 mm / TREND AKRYL CALIFORNIA R 1.5 mm Ribbed structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	1.2 (paste)	~ 1.5
Render 16	TREND AKRYL R 2.0 mm / TREND AKRYL CALIFORNIA R 2.0 mm Ribbed structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 2.0
Render 17	TREND AKRYL R 3.0 mm / TREND AKRYL CALIFORNIA R 3.0 mm Ribbed structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.7 (paste)	~ 3.0
Render 18	TREND SILCO PROTECT K 0.5 mm Grain structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 19	TREND SILCO PROTECT K 1.0 mm Grain structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.6 (paste)	~ 1.0
Render 20	TREND SILCO PROTECT K 1.5 mm Grain structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 1.5
Render 21	TREND SILCO PROTECT K 2.0 mm Grain structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.5 (paste)	~ 2.0
Render 22	TREND SILCO PROTECT K 3.0 mm Grain structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	5.0 (paste)	~ 3.0
Render 23	TREND SILCO PROTECT R 0.5 mm Ribbed structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5

Use and variant	Component	Coverage [kg/m ²]	Thickness [mm]
Render 24	TREND SILCO PROTECT R 1.0 mm Ribbed structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.0 (paste)	~ 1.0
Render 25	TREND SILCO PROTECT R 1.5 mm Ribbed structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	1.2 (paste)	~ 1.5
Render 26	TREND SILCO PROTECT R 2.0 mm Ribbed structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 2.0
Render 27	TREND SILCO PROTECT R 3.0 mm Ribbed structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.7 (paste)	~ 3.0
Render 28	TREND SILCA K 0.5 mm Grain structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 29	TREND SILCA K 1.0 mm Grain structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.6 (paste)	~ 1.0
Render 30	TREND SILCA K 1.5 mm Grain structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 1.5
Render 31	TREND SILCA K 2.0 mm Grain structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.5 (paste)	~ 2.0
Render 32	TREND SILCA K 3.0 mm Grain structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	5.0 (paste)	~ 3.0
Render 33	TREND SILCA R 0.5 mm Ribbed structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 34	TREND SILCA R 1.0 mm Ribbed structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.0 (paste)	~ 1.0
Render 35	TREND SILCA R 1.5 mm Ribbed structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	1.2 (paste)	~ 1.5
Render 36	TREND SILCA R 2.0 mm Ribbed structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 2.0
Render 37	TREND SILCA R 3.0 mm Ribbed structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.7 (paste)	~ 3.0

Use and variant	Component	Coverage [kg/m ²]	Thickness [mm]
Render 38	TREND SISI K 0.5 mm / TREND SISI CALIFORNIA K 0.5 mm Grain structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 39	TREND SISI K 1.0 mm / TREND SISI CALIFORNIA K 1.0 mm Grain structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.6 (paste)	~ 1.0
Render 40	TREND SISI K 1.5 mm / TREND SISI CALIFORNIA K 1.5 mm Grain structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 1.5
Render 41	TREND SISI K 2.0 mm / TREND SISI CALIFORNIA K 2.0 mm Grain structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.5 (paste)	~ 2.0
Render 42	TREND SISI K 3.0 mm / TREND SISI CALIFORNIA K 3.0 mm Grain structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	5.0 (paste)	~ 3.0
Render 43	TREND SISI R 0.5 mm / TREND SISI CALIFORNIA R 0.5 mm Ribbed structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 44	TREND SISI R 1.0 mm / TREND SISI CALIFORNIA R 1.0 mm Ribbed structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.0 (paste)	~ 1.0
Render 45	TREND SISI R 1.5 mm / TREND SISI CALIFORNIA R 1.5 mm Ribbed structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	1.2 (paste)	~ 1.5
Render 46	TREND SISI R 2.0 mm / TREND SISI CALIFORNIA R 2.0 mm Ribbed structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 2.0
Render 47	TREND SISI R 3.0 mm / TREND SISI CALIFORNIA R 3.0 mm Ribbed structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.7 (paste)	~ 3.0

Use and variant	Component	Coverage [kg/m ²]	Thickness [mm]
Render 48	TREND ECO PROTECT K 0.5 mm / TREND ECO PROTECT CALIFORNIA K 0.5 mm Grain structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 49	TREND ECO PROTECT K 1.0 mm / TREND ECO PROTECT CALIFORNIA K 1.0 mm Grain structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.6 (paste)	~ 1.0
Render 50	TREND ECO PROTECT K 1.5 mm / TREND ECO PROTECT CALIFORNIA K 1.5 mm Grain structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 1.5
Render 51	TREND ECO PROTECT K 2.0 mm / TREND ECO PROTECT CALIFORNIA K 2.0 mm Grain structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.5 (paste)	~ 2.0
Render 52	TREND ECO PROTECT K 3.0 mm / TREND ECO PROTECT CALIFORNIA K 3.0 mm Grain structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	5.0 (paste)	~ 3.0
Render 53	TREND ECO PROTECT R 0.5 mm / TREND ECO PROTECT CALIFORNIA R 0.5 mm Ribbed structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 54	TREND ECO PROTECT R 1.0 mm / TREND ECO PROTECT CALIFORNIA R 1.0 mm Ribbed structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.0 (paste)	~ 1.0
Render 55	TREND ECO PROTECT R 1.5 mm / TREND ECO PROTECT CALIFORNIA R 1.5 mm Ribbed structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	1.2 (paste)	~ 1.5
Render 56	TREND ECO PROTECT R 2.0 mm / TREND ECO PROTECT CALIFORNIA R 2.0 mm Ribbed structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 2.0
Render 57	TREND ECO PROTECT R 3.0 mm / TREND ECO PROTECT CALIFORNIA R 3.0 mm Ribbed structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.7 (paste)	~ 3.0
Render 58	TREND SIPO MAX PROTECT K 0.5 mm Grain structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 59	TREND SIPO MAX PROTECT K 1.0 mm Grain structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.6 (paste)	~ 1.0

Use and variant	Component	Coverage [kg/m ²]	Thickness [mm]
Render 60	TREND SIPO MAX PROTECT K 1.5 mm Grain structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 1.5
Render 61	TREND SIPO MAX PROTECT K 2.0 mm Grain structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.5 (paste)	~ 2.0
Render 62	TREND SIPO MAX PROTECT K 3.0 mm Grain structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	5.0 (paste)	~ 3.0
Render 63	TREND SIPO MAX PROTECT R 0.5 mm Ribbed structure, max. particle size 0.5 mm Ready-to-use paste For additional specifications see Annex No. 1	0.9 (paste)	~ 0.5
Render 64	TREND SIPO MAX PROTECT R 1.0 mm Ribbed structure, max. particle size 1.0 mm Ready-to-use paste For additional specifications see Annex No. 1	1.0 (paste)	~ 1.0
Render 65	TREND SIPO MAX PROTECT R 1.5 mm Ribbed structure, max. particle size 1.5 mm Ready-to-use paste For additional specifications see Annex No. 1	1.2 (paste)	~ 1.5
Render 66	TREND SIPO MAX PROTECT R 2.0 mm Ribbed structure, max. particle size 2.0 mm Ready-to-use paste For additional specifications see Annex No. 1	2.4 (paste)	~ 2.0
Render 67	TREND SIPO MAX PROTECT R 3.0 mm Ribbed structure, max. particle size 3.0 mm Ready-to-use paste For additional specifications see Annex No. 1	3.7 (paste)	~ 3.0
Decorative coat 1	ACRYL FARBE 001 Ready-to-use liquid For additional specifications see Annex No. 1	0.15 – 0.25 (liquid)	< 0.2
Decorative coat 2	SILIKAT FARBE 002 Ready-to-use liquid For additional specifications see Annex No. 1	0.15 – 0.25 (liquid)	< 0.2
Decorative coat 3	SILIKON FARBE 003 / SILIKON FARBE 003 CALIFORNIA / SILIKON NANOTECH FARBE 006 Ready-to-use liquid For additional specifications see Annex No. 1	0.15 – 0.25 (liquid)	< 0.2
Decorative coat 4	SISI FARBE 004 Ready-to-use liquid For additional specifications see Annex No. 1	0.15 – 0.25 (liquid)	< 0.2
Decorative coat 5	ECO FARBE 009 Ready-to-use liquid For additional specifications see Annex No. 1	0.15 – 0.25 (liquid)	< 0.2
Decorative coat 6	EGALISATION FARBE 005 Ready-to-use liquid For additional specifications see Annex No. 1	0.15 – 0.25 (liquid)	< 0.2

ETICS can be distinguished, depending on the fixing method of the thermal insulation product:

Table 2

Component	Fixing methods of ETICS		
	Purely bonded ETICS	Bonded ETICS with supplementary mechanical fixing devices	Mechanically fixed ETICS with supplementary adhesive
Substrate	Masonry walls from units of burnt clay, concrete, calcium silicate, autoclaved aerated concrete or stone laid using mortar or adhesive or both. Concrete walls made of concrete, either cast in situ or prefabricated at the factory. Walls shall meet the maximum deviation of $\pm 5^\circ$ from verticality can be with or without rendering system.		
Adhesive	Adhesive 1 - 3 Min. 40 % area covered by adhesive	Adhesive 1 - 3 Min. 40 % area covered by adhesive	Adhesive 1 - 3 Min. 20 % area covered by adhesive
Thermal insulation product	Thermal insulation product 1 See Annex No. 2	Thermal insulation product 1 See Annex No. 2	Thermal insulation product 1 See Annex No. 2
Mechanical fixing devices	Not to be used	See Annex No. 3	See Annex No. 3

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

Any kit component may be produced by the kit manufacturer or purchased by the kit manufacturer on the market or from a specific supplier.

The ETICS may include ancillary components (e.g. corner beads) to treat construction details of ETICS.

It is assumed that the product is installed according to Manufacturer's Product Installation Instructions (MPII).

The ETICS are a non-load-bearing construction products and do not contribute directly to the stability of the walls on which they are installed.

The ETICS provides additional thermal insulation and protection from effect of weathering.

The provisions made in this ETA are based on an assumed intended working life of at least 25 years, 50 years for ETICS with insulation materials of MW and EPS, provided that the ETICS are installed and maintained properly. The indications given as to the working life of the construction product cannot be interpreted as a guarantee but are regarded as means for expressing the expected economically reasonable working life of the product.

Concerning product packaging, transport, storage, maintenance, replacement and repair it is the responsibility of the manufacturer to undertake the appropriate measures and to advice his clients on the transport, storage, maintenance, replacement and repair of the product as he considers necessary.

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

Table 3

Essential characteristic	Assessment method (EAD clause)	Performance
Reaction to fire	Cl. 2.2.1.1	See cl. 3.1.1
Reaction to fire of the thermal insulation product	Cl. 2.2.1.2	No performance assessed (See Annex No. 2 for component characteristic)
Reaction to fire performance of the PU-foam adhesives	Cl. 2.2.1.3	No performance assessed
Façade fire performance	Cl. 2.2.2	No performance assessed
Propensity to undergo continuous smouldering	Cl. 2.2.3	No performance assessed
Content, emission and/or release of dangerous substances	Cl. 2.2.4.1	No performance assessed
Water absorption of the base coat and the rendering system	Cl. 2.2.5.1	See cl. 3.2.1
Water absorption of the thermal insulation product	Cl. 2.2.5.2	No performance assessed
Watertightness. Hygrothermal behaviour	Cl. 2.2.6	See cl. 3.2.2
Watertightness. Freeze – thaw resistance	Cl. 2.2.7	No performance assessed
Impact resistance	Cl. 2.2.8	See cl. 3.2.3
Water vapour permeability of the rendering system (equivalent air thickness)	Cl. 2.2.9.1	See cl. 3.2.4
Water vapour permeability of the thermal insulation product (water-vapour resistance factor)	Cl. 2.2.9.2	No performance assessed (See Annex No. 2 for component characteristic)
Bond strength between the base coat and the thermal insulation product	Cl. 2.2.10.1	See cl. 3.3.1
Bond strength between the adhesive and the substrate	Cl. 2.2.10.2	See cl. 3.3.2
Bond strength between the adhesive and the thermal insulation product	Cl. 2.2.10.3	See cl. 3.3.3
Bond strength of the PU-foam adhesives	Cl. 2.2.10.4	No performance assessed
Fixing strength transverse displacement test	Cl. 2.2.11	No performance assessed
Wind load resistance. Pull-through resistance	Cl. 2.2.12.1	See cl. 3.3.4
Wind load resistance. Static foam block resistance	Cl. 2.2.12.2	No performance assessed
Wind load resistance. Dynamic wind uplift resistance	Cl. 2.2.12.3	No performance assessed
Tensile strength perpendicular to the faces of the thermal insulation product in dry conditions	Cl. 2.2.13.1	No performance assessed
Tensile strength perpendicular to the faces of the thermal insulation product in wet conditions	Cl. 2.2.13.2	No performance assessed
Shear strength and shear modulus of elasticity of the thermal insulation product	Cl. 2.2.14	No performance assessed (See Annex No. 2 for component characteristic)
Pull-through resistance of mechanical fixing devices from profiles	Cl. 2.2.15	No performance assessed
Render strip tensile test	Cl. 2.2.16	See cl. 3.3.5
Shear strength and shear modulus of the PU-foam adhesives	Cl. 2.2.17	No performance assessed
Post expansion behaviour of the PU-foam adhesives	Cl. 2.2.18	No performance assessed

Essential characteristic	Assessment method (EAD clause)	Performance
Airborne sound insulation	Cl. 2.2.19	No performance assessed
Dynamic stiffness of the thermal insulation product	Cl. 2.2.19.1	No performance assessed
Air flow resistance of the thermal insulation product	Cl. 2.2.19.2	No performance assessed
Thermal resistance	Cl. 2.2.20	See cl. 3.4.1
Thermal conductivity and thermal resistance of the thermal insulation product	Cl. 2.2.20.2	No performance assessed (See Annex No. 2 for component characteristic)
Bond strength after ageing of finishing layers tested on the rig	Cl. 2.2.21.1	See cl. 3.5.1
Bond strength after ageing of finishing layers not tested on the rig	Cl. 2.2.21.2	See cl. 3.5.2
Tensile strength and elongation of the glass fibre mesh at initial state and after ageing in alkali conditions	EAD 040016-01-0404 Clause 2.2.7	No performance assessed

Table 4 – Table 16 lay down assessments of essential characteristics of specific combinations of ETICS components.

Any combination of components not meeting the criteria of Table 4 – Table 16 is assessed as “No performance assessed” in regard to the relevant essential characteristic.

3.1 Safety in case of fire (BWR 2)

3.1.1 Reaction to fire

Table 4

Reaction to fire of ETICS: B-s1, d0	
Component	Assessed configuration of the components
Adhesive	In accordance with Table 1
Thermal insulation product	In accordance with Table 1 Max. apparent density (EN 1602): 18 kg/m ³
Anchors	In accordance with Plastic anchors In accordance with Table 1
Base coat	In accordance with Table 1 thickness of 3 - 5 mm
Reinforcement	In accordance with Table 1 with max two layers of Reinforcement Provided has max. heat of combustion 1.32 MJ/m ²
Key coat	In accordance with Table 1
Render	In accordance with Table 1 In thickness max. 3 mm
Decorative coat	In accordance with Table 1

3.2 Hygiene, health and the environment (BWR 3)

3.2.1 Water absorption of the base coat and the rendering system

Table 5

Assessed configuration of the components					W _{p, 1h} [kg/m ²]	W _{p, 24h} [kg/m ²]
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat		
Thermal insulation product 1	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness ≤ 3 mm	N/A	N/A	N/A	0.1	0.4
		TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ 062 K Grain structure Thickness ≤ 3 mm	AKRYL FARBE 001 Min. amount applied 0.15 kg/m ²	0.1	0.5
				SILIKAT FARBE 002 Min. amount applied 0.15 kg/m ²	0.1	0.5
				SILIKON FARBE 003 / SILIKON FARBE 003 CALIFORNIA / SILIKON NANOTECH FARBE 006 Min. amount applied 0.15 kg/m ²	0.1	0.5
				SISI FARBE 004 Min. amount applied 0.15 kg/m ²	0.1	0.4
				EGALISATION FARBE 005 Min. amount applied 0.15 kg/m ²	0.1	0.4
				ECO FARBE 009 Min. amount applied 0.15 kg/m ²	0.1	0.5

Assessed configuration of the components					W _{p, 1h} [kg/m ²]	W _{p, 24h} [kg/m ²]
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat		
Thermal insulation product 1	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness ≤ 3 mm	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	TREND AKRYL K / TREND AKRYL CALIFORNIA K Grain structure Thickness ≤ 3 mm	N/A	0.1	0.4
			TREND SILCO PROTECT K Grain structure Thickness ≤ 3 mm		0.1	0.5
			TREND SILKA K Grain structure Thickness ≤ 3 mm		0.2	0.4
			TREND SISI K / TREND SISI CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.5
			TREND ECO PROTECT K / TREND ECO PROTECT CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.5
			TREND SIPO MAX PROTECT K Grain structure Thickness ≤ 3 mm		0.1	0.4

Assessed configuration of the components					W _{p, 1h} [kg/m ²]	W _{p, 24h} [kg/m ²]
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat		
Thermal insulation product 1	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness ≤ 5 mm	N/A	N/A	N/A	0.1	0.3
		TREND Grund U 340 Min. amount applied 0.2 kg/m ²	TREND AKRYL K / TREND AKRYL CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.3
			TREND SILCO PROTECT K Grain structure Thickness ≤ 3 mm		0.1	0.5
			TREND SILKA K Grain structure Thickness ≤ 3 mm		0.2	0.5
			TREND SISI K / TREND SISI CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.5
			TREND ECO PROTECT K / TREND ECO PROTECT CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.5
			TREND SIPO MAX PROTECT K Grain structure Thickness ≤ 3 mm		0.1	0.4

Assessed configuration of the components					W _{p, 1h} [kg/m ²]	W _{p, 24h} [kg/m ²]
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat		
Thermal insulation product 1	Haft- und Armierungsmörtel MAX 8 weiss Thickness ≤ 3 mm	N/A	N/A	N/A	0.1	0.5
		TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ 062 K Grain structure Thickness ≤ 3 mm	AKRYL FARBE 001 Min. amount applied 0.15 kg/m ²	0.1	0.5
				SILIKAT FARBE 002 Min. amount applied 0.15 kg/m ²	0.1	0.4
				SILIKON FARBE 003 / SILIKON FARBE 003 CALIFORNIA / SILIKON NANOTECH FARBE 006 Min. amount applied 0.15 kg/m ²	0.1	0.4
				SISI FARBE 004 Min. amount applied 0.15 kg/m ²	0.1	0.4
				EGALISATION FARBE 005 Min. amount applied 0.15 kg/m ²	0.1	0.4
				ECO FARBE 009 Min. amount applied 0.15 kg/m ²	0.1	0.5

Assessed configuration of the components					W _{p, 1h} [kg/m ²]	W _{p, 24h} [kg/m ²]
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat		
Thermal insulation product 1	Haft- und Armierungsmörtel MAX 8 weiss Thickness ≤ 3 mm	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	TREND AKRYL K / TREND AKRYL CALIFORNIA K Grain structure Thickness ≤ 3 mm	N/A	0.1	0.4
			TREND SILCO PROTECT K Grain structure Thickness ≤ 3 mm		0.1	0.4
			TREND SILKA K Grain structure Thickness ≤ 3 mm		0.1	0.4
			TREND SISI K / TREND SISI CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.4
			TREND ECO PROTECT K / TREND ECO PROTECT CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.4
			TREND SIPO MAX PROTECT K Grain structure Thickness ≤ 3 mm		0.1	0.4

Assessed configuration of the components					W _{p, 1h} [kg/m ²]	W _{p, 24h} [kg/m ²]
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat		
Thermal insulation product 1	Haft- und Armierungsmörtel MAX 8 weiss Thickness ≤ 5 mm	N/A	N/A	N/A	0.1	0.3
		TREND Grund U 340 Min. amount applied 0.2 kg/m ²	TREND AKRYL K / TREND AKRYL CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.4
			TREND SILCO PROTECT K Grain structure Thickness ≤ 3 mm	NA	0.1	0.5
			TREND SILKA K Grain structure Thickness ≤ 3 mm		0.1	0.4
			TREND SISI K / TREND SISI CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.4
			TREND ECO PROTECT K / TREND ECO PROTECT CALIFORNIA K Grain structure Thickness ≤ 3 mm		0.1	0.4

3.2.2 Watertightness. Hygrothermal behaviour

Table 6

ETICS is resistant to cycles of: HWC					
Assessed configuration of the components:					
Thermal insulation product	Base coat	Glass fibre mesh	Key coat	Finishing layer	Decorative coat
Thermal insulation product 1 with dimensional stability at least: DS(70,90)1	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness 3 – 5 mm	R 131 A101 With tensile strength after conditioning min. 20 N/mm And coverage ratio $\geq 34 \%$	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ 062 K Thickness $\leq 3 \text{ mm}$	EGALISATION FARBE 005 Min. amount applied 0.15 kg/m ²
		R 131 A101 With tensile strength after conditioning min. 20 N/mm And coverage ratio $\geq 34 \%$		MINERAL PUTZ 062 K Thickness $\leq 3 \text{ mm}$	N/A
		R 117 A101 With tensile strength after conditioning min. 20 N/mm And coverage ratio $\geq 30,7 \%$		TREND SILCO PROTECT K Thickness $\leq 3 \text{ mm}$	
		R 131 A101 With tensile strength after conditioning min. 20 N/mm And coverage ratio $\geq 34 \%$		TREND SILCO PROTECT R Thickness $\leq 3 \text{ mm}$	
				MINERAL PUTZ 062 K Thickness $\leq 3 \text{ mm}$	

ETICS is resistant to cycles of: HWC					
Assessed configuration of the components:					
Thermal insulation product	Base coat	Glass fibre mesh	Key coat	Finishing layer	Decorative coat
Thermal insulation product 1 with dimensional stability at least: DS(70,90)1	Haft- und Armierungsmörtel MAX 8 weiss Thickness 3 – 5 mm	R 131 A101 With tensile strength after conditioning min. 20 N/mm And coverage ratio $\geq 34\%$	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ 062 K Thickness ≤ 3 mm	N/A
		R 117 A101 With tensile strength after conditioning min. 20 N/mm And coverage ratio $\geq 30,7\%$		TREND SILCO PROTECT R Thickness ≤ 3 mm	
				TREND SIPO MAX PROTECT R Thickness ≤ 3 mm	

3.2.3 Impact resistance

Level achieved for a certain impact energy can also be considered for any lower energy.

Table 7

Assessed configuration of the components						Level
Thermal insulation product	Base coat	Glass fibre mesh	Key coat	Finishing layer	Decorative coat	
Thermal insulation product 1	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness ≥ 3 mm	1x R 117 A101 With tensile strength after conditioning min. 20 N/mm	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ Thickness ≥ 1.0 mm	N/A	B_{3,w} C_{10,w}
				TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND SILCO PROTECT Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND SILKA Thickness ≥ 0.5 mm		B_{3,w} C_{10,w}
				TREND SISI / TREND SISI CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND SIPO MAX PROTECT Thickness ≥ 0.5 mm		A_{3,HWC} B_{10,HWC}

Assessed configuration of the components						Level
Thermal insulation product	Base coat	Glass fibre mesh	Key coat	Finishing layer	Decorative coat	
Thermal insulation product 1	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness 5 mm	2x R 117 A101 With tensile strength after conditioning min. 20 N/mm	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ Thickness ≥ 1.0 mm	N/A	A_{3,w} A_{10,w}
				TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SILCO PROTECT Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SILKA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND SISI / TREND SISI CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SIPO MAX PROTECT Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}

Assessed configuration of the components						Level
Thermal insulation product	Base coat	Glass fibre mesh	Key coat	Finishing layer	Decorative coat	
Thermal insulation product 1	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness ≥ 3 mm	1x REDNET CB330 NOVA With tensile strength after conditioning min. 20 N/mm	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≥ 0.5 mm	N/A	A_{3,w} A_{10,w}
				TREND SILCO PROTECT Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SILKA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SISI / TREND SISI CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SIPO MAX PROTECT Thickness ≥ 0.5 mm		A_{3,HWC} A_{10,HWC}

Assessed configuration of the components						Level
Thermal insulation product	Base coat	Glass fibre mesh	Key coat	Finishing layer	Decorative coat	
Thermal insulation product 1	Haft- und Armierungsmörtel MAX 8 weiss Thickness ≥ 3 mm	1x R 117 A101 With tensile strength after conditioning min. 20 N/mm	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ Thickness ≥ 1.0 mm	N/A	A_{3,w} B_{10,w}
				TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND SILCO PROTECT Thickness ≥ 0.5 mm		B_{3,HWC} C_{10,HWC}
				TREND SILKA Thickness ≥ 0.5 mm		C_{3,w} D_{10,w}
				TREND SISI / TREND SISI CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND SIPO MAX PROTECT Thickness ≥ 0.5 mm		A_{3,HWC} B_{10,HWC}

Assessed configuration of the components						Level
Thermal insulation product	Base coat	Glass fibre mesh	Key coat	Finishing layer	Decorative coat	
Thermal insulation product 1	Haft- und Armierungsmörtel MAX 8 weiss Thickness 5 mm	2x R 117 A101 With tensile strength after conditioning min. 20 N/mm	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ Thickness ≥ 1.0 mm	N/A	A_{3,w} A_{10,w}
				TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SILCO PROTECT Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SILKA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND SISI / TREND SISI CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SIPO MAX PROTECT Thickness ≥ 0.5 mm		A_{3,HWC} A_{10,HWC}

Assessed configuration of the components						Level
Thermal insulation product	Base coat	Glass fibre mesh	Key coat	Finishing layer	Decorative coat	
Thermal insulation product 1	Haft- und Armierungsmörtel MAX 8 weiss Thickness ≥ 3 mm	1x REDNET CB330 NOVA With tensile strength after conditioning min. 20 N/mm	TREND Grund U 340 Min. amount applied 0.2 kg/m ²	MINERAL PUTZ Thickness ≥ 1.0 mm	N/A	B_{3,w} B_{10,w}
				TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SILCO PROTECT Thickness ≥ 0.5 mm		A_{3,w} A_{10,w}
				TREND SILKA Thickness ≥ 0.5 mm		A_{3,w}
				TREND SISI / TREND SISI CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≥ 0.5 mm		A_{3,w} B_{10,w}
				TREND SIPO MAX PROTECT Thickness ≥ 0.5 mm		A_{3,HWC} A_{10,HWC}

3.2.4 Water vapour permeability of the rendering system (equivalent air thickness)

Table 8

Assessed configuration of the components				s _d [m]
Base coat with 1x glass fibre mesh	Key coat	Finishing layer	Decorative coat	
WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness 3 mm	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	MINERAL PUTZ Thickness ≤ 3 mm	ECO FARBE 009 Max. amount applied 0.25 kg/m ²	0.3
		TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≤ 3 mm	N/A	0.4
		TREND SILCO PROTECT Thickness ≤ 3 mm		0.2
		TREND SILKA Thickness ≤ 3 mm		0.3
		TREND SISI / TREND SISI CALIFORNIA Thickness ≤ 3 mm		0.4
		TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≤ 3 mm		0.4
		TREND SIPO MAX PROTECT Thickness ≤ 3 mm		0.4

Assessed configuration of the components				S _d [m]
Base coat with 2x glass fibre mesh	Key coat	Finishing layer	Decorative coat	
WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka Thickness ≤ 5 mm	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	MINERAL PUTZ Thickness ≤ 3 mm	ECO FARBE 009 Max. amount applied 0.25 kg/m ²	0.3
		TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≤ 3 mm	N/A	0.5
		TREND SILCO PROTECT Thickness ≤ 3 mm		0.2
		TREND SILKA Thickness ≤ 3 mm		0.3
		TREND SISI / TREND SISI CALIFORNIA Thickness ≤ 3 mm		0.4
		TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≤ 3 mm		0.4
		TREND SIPO MAX PROTECT Thickness ≤ 3 mm		0.4

Assessed configuration of the components				S _d [m]
Base coat with 1x glass fibre mesh	Key coat	Finishing layer	Decorative coat	
Haft- und Armierungsmörtel MAX 8 weiss Thickness 3 mm	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	MINERAL PUTZ Thickness ≤ 3 mm	AKRYL FARBE 001 Max. amount applied 0.25 kg/m ²	0.3
		TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≤ 3 mm	N/A	0.4
		TREND SILCO PROTECT Thickness ≤ 3 mm		0.3
		TREND SILKA Thickness ≤ 3 mm		0.3
		TREND SISI / TREND SISI CALIFORNIA Thickness ≤ 3 mm		0.4
		TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≤ 3 mm		0.4
		TREND SIPO MAX PROTECT Thickness ≤ 3 mm		0.5

Assessed configuration of the components				s _d [m]
Base coat with 2x glass fibre mesh	Key coat	Finishing layer	Decorative coat	
Haft- und Armierungsmörtel MAX 8 weiss Thickness ≤ 5 mm	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	MINERAL PUTZ Thickness ≤ 3 mm	AKRYL FARBE 001 Max. amount applied 0.25 kg/m ²	0.3
		TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≤ 3 mm	N/A	0.5
		TREND SILCO PROTECT Thickness ≤ 3 mm		0.3
		TREND SILKA Thickness ≤ 3 mm		0.3
		TREND SISI / TREND SISI CALIFORNIA Thickness ≤ 3 mm		0.4
		TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≤ 3 mm		0.4
		TREND SIPO MAX PROTECT Thickness ≤ 3 mm		0.5

3.3 Safety and accessibility in use (BWR 4)

Marks to express failure modes:

Marked as: Description:

- A** failure in the substrate
- A/A1** failure in borderline between the substrate and the key coat on the substrate
- A1** failure in the key coat on the substrate
- A1/B** failure in borderline between key coat on the substrate and the adhesive
- A/B** failure in borderline between the substrate and the adhesive
- B** failure in the adhesive
- B/C** failure in borderline between the adhesive and the insulation product
- C** failure in the insulation product
- C/C1** failure in borderline between the insulation product and surface of the insulation product
- C1** failure in the surface of the insulation product
- C/D** failure in borderline between the insulation product and the base coat
- D** failure in the base coat
- D/E** failure in borderline between the base coat and finishing layer
- E** failure in the finishing coat

3.3.1 Bond strength between the base coat and the thermal insulation product

Table 9

Assessed configuration of the components									
Thermal insulation product	Base coat	F _{B-I} , min, dry [kPa]	F _{B-I} , mean, dry [kPa]	F _{B-I} , min, HWC [kPa]	F _{B-I} , mean, HWC [kPa]	F _{B-I} , min, HWCFT [kPa]	F _{B-I} , mean, HWCFT [kPa]	F _{B-I} , min, F-T [kPa]	F _{B-I} , mean, F-T [kPa]
Thermal insulation product 1 TR ≥ 100 kPa	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka	100	100 C	100	100 C	N/A	N/A	N/A	N/A
	Haft- und Armierungsmörtel MAX 8 weiss	100	100 C	100	100 C	N/A	N/A	N/A	N/A

3.3.2 Bond strength between the adhesive and the substrate

Table 10

Assessed configuration of the components							
Substrate	Adhesive	F _{A-S} , min, dry [kPa]	F _{A-S} , mean, dry [kPa]	F _{A-S} , min, 2D, 2H [kPa]	F _{A-S} , mean, 2D, 2H [kPa]	F _{A-S} , min, 2D, 7D [kPa]	F _{A-S} , mean, 2D, 7D [kPa]
Concrete	WDVS Klebemörtel 803 / WDVS Klebemörtel 803S	720	790 B	420	500 B	930	1040 B
	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka	620	800 B	590	550 B	910	1050 B
	Haft- und Armierungsmörtel MAX 8 weiss	660	690 B	390	460 B	700	770 B

3.3.3 Bond strength between the adhesive and the thermal insulation product

Table 11

Assessed configuration of the components							
Thermal insulation product	Adhesive	F _{A-I} , min, dry [kPa]	F _{A-I} , mean, dry [kPa]	F _{A-I} , min, 2D, 2H [kPa]	F _{A-I} , mean, 2D, 2H [kPa]	F _{A-I} , min, 2D, 7D [kPa]	F _{A-I} , mean, 2D, 7D [kPa]
Thermal insulation product 1 TR ≥ 100kPa	WDVS Klebemörtel 803 / WDVS Klebemörtel 803S	100	100 C	90	98 C	100	100 C
	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka	100	100 C	80	86 C	100	100 C
	Haft- und Armierungsmörtel MAX 8 weiss	100	100 C	100	100 C	100	100 C

3.3.4 Wind load resistance. Pull-through resistance

Table 12

Assessed configuration of the components			F _{5%} , panel, 5 mm, dry [kN]	F _{5%} , joint, 5 mm, dry [kN]	F _{5%} , panel, 10 mm, dry [kN]	F _{5%} , joint, 10 mm, dry [kN]	Graph
Thermal insulation product	Mechanical fixing device	Setting position					
Thermal insulation product 1 (EPS) Thickness ≥ 50 mm TR ≥ 115 kPa CS ≥ 95 kPa	Mechanical fixing device 1 Plate diameter ≥ 60 mm Plate stiffness ≥ 0.6 kN/mm Load resistance ≥ 1.25 kN	Flush installation or Countersunk installation with min. 50 mm of uninterrupted layer of insulation product.	0.291	0.157	0.442	0.390	See Figure 1 Figure 2

3.3.5 Render strip tensile test

Table 13

Render strip tensile test					
Strain measured at ϵ_r :			0.8 %		
ETICS configuration requirements:		W _{rk} of the flat side of the test specimen [mm]		W _{rk} of the patterned side of the test specimen [mm]	
Base coat	Reinforcement	Warp direction	Weft direction	Warp direction	Weft direction
WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka	SSA-1363-4 SM	0.5	0	0	0
	REDNET CB330 NOVA	0	0	0	0
Haft- und Armierungsmörtel MAX 8 weiss	SSA-1363-4 SM	0.5	0.5	0	0
	REDNET CB330 NOVA	0	0	0	0

3.4 Energy economy and heat retention (BWR 6)

3.4.1 Thermal resistance

Table 14

Thermal resistance and thermal transmittance of ETICS (R_{ETICS})	
Thermal resistance	$[(m^2 \cdot K)/W]$
R_{ETICS}	To be calculated based on data for the specific thickness and thermal conductivity of the thermal insulation product, using this equation: $R_{ETICS} = R_{adhesive} + R_{insulation} + R_{render} [m^2 \cdot K/W]$ Where: $R_{insulation}$ = insulation thickness / thermal conductivity coefficient declared or measured $[m^2 \cdot K/W]$ $R_{render} = 0.02 [m^2 \cdot K/W]$ $R_{adhesive} = 0.02 [m^2 \cdot K/W]$, only applies if adhesive is present in the composition Example of calculation considering the effect of adhesive and rendering with the lowest allowed thickness of 15 mm and highest allowed thermal conductivity of the insulation product 0.065 W/m·K, with no effect of thermal bridges caused by mechanical fixing devices: $R_{ETICS} = 0.02 + 0.015/0.065 + 0.02 = 0.27 [m^2 \cdot K/W]$
Point thermal transmittance χ	To be determined as follows: χ_P is point thermal transmittance value of the anchor $[W/K]$. Specified by the ETA for anchors or as follows: 0.002 $[W/K]$ For anchors with a plastic screw/nail, stainless steel screw/nail with the head covered by at least 15 mm plastic material, or with a minimum 15 mm air gap at the head of the screw/nail. 0.004 $[W/K]$ For anchors with a galvanized carbon steel screw/nail with the head covered by at least 15 mm plastic material or a minimum 15 mm air gap at the head of the screw /nail. 0.008 $[W/K]$ For all other anchors (the worst case).
Max. number of plastic anchors per m^2	≤ 16

3.5 Aspects of durability

3.5.1 Bond strength after ageing of finishing layers tested on the rig

Table 15

Assessed configuration of the components								
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat	F _{reñder} , min, HWC [kPa]	F _{reñder} , mean, HWC [kPa]	F _{reñder} , min, HWCFT [kPa]	F _{reñder} , mean, HWCFT [kPa]
Thermal insulation product 1 TR ≥ 100 kPa	WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	MINERAL PUTZ Thickness ≤ 3 mm	EGALISATION FARBE 005 Max. amount applied 0.25 kg/m ²	90	98 C	N/A	N/A
			TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≤ 3 mm	N/A	100	100 C	N/A	N/A
			TREND SILKA Thickness ≤ 3 mm		100	100 C	N/A	N/A
			TREND SILCO PROTECT Thickness ≤ 3 mm		100	100 C	N/A	N/A
			TREND SIPO MAX PROTECT Thickness ≤ 3 mm		80	86 C	N/A	N/A

Assessed configuration of the components								
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat	F _{render} , min, HWC [kPa]	F _{render} , mean, HWC [kPa]	F _{render} , min, HWCFT [kPa]	F _{render} , mean, HWCFT [kPa]
Thermal insulation product 1 TR ≥ 100 kPa	Haft- und Armierungsmörtel MAX 8 weiss	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	TREND SILKO PROTECT Thickness ≤ 3 mm	N/A	100	100 C	N/A	N/A
			TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≤ 3 mm		100	100 C	N/A	N/A
			TREND SIPO MAX PROTECT Thickness ≤ 3 mm		100	100 C	N/A	N/A
			MINERAL PUTZ Thickness ≤ 3 mm		100	100 C	N/A	N/A

3.5.2 Bond strength after ageing of finishing layers NOT tested on the rig

Table 16

Assessed configuration of the components								
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat	F _{render} min, aged [kPa]	F _{render} mean, aged [kPa]	F _{render} min, F-T [kPa]	F _{render} mean, F-T [kPa]
Thermal insulation product 1 TR ≥ 100 kPa	WDVS Klebe- und Armierungsmörte I 804 / WDVS Klebe- und Armierungsmörte I 804 weiss / Haft- und Armierungsmörte I MAX 8 / EMPORIO Fasádne lepidlo a stierka	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	MINERAL PUTZ Thickness ≤ 3 mm	AKRYL FARBE 009 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			MINERAL PUTZ Thickness ≤ 3 mm	SILIKAT FARBE 001 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			MINERAL PUTZ Thickness ≤ 3 mm	SILIKON FARBE 003 / SILIKON FARBE 003 CALIFORNIA / SILIKON NANOTECH FARBE 006 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			MINERAL PUTZ Thickness ≤ 3 mm	SISI FARBE 004 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≤ 3 mm	N/A	100	100 C	N/A	N/A

Assessed configuration of the components								
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat	F _{reder} , min, aged [kPa]	F _{reder} , mean, aged [kPa]	F _{reder} , min, F-T [kPa]	F _{reder} , mean, F-T [kPa]
Thermal insulation product 1 TR ≥ 100 kPa	WDVS Klebe- und Armierungsmörte I 804 / WDVS Klebe- und Armierungsmörte I 804 weiss / Haft- und Armierungsmörte I MAX 8 / EMPORIO Fasádne lepidlo a stierka	TREN D Grund U 340 Max. amount applied 0.3 kg/m ²	TREND SILKA Thickness ≤ 3 mm	N/A	100	100 C	N/A	N/A
			TREND SISI / TREND SISI CALIFORNIA / ECO TYNK 022 ECO PROTECT / ECO TYNK 022 ECO PROTECT CALIFORNIA Thickness ≤ 3 mm		100	100 C	N/A	N/A
			TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≤ 3 mm		100	100 C	N/A	N/A

Assessed configuration of the components								
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat	F _{render, min, aged} [kPa]	F _{render, mean, aged} [kPa]	F _{render, min, F-T} [kPa]	F _{render, mean, F-T} [kPa]
Thermal insulation product 1 TR ≥ 100 kPa	Haft- und Armierungsmörtel MAX 8 weiss	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	MINERAL PUTZ Thickness ≤ 3 mm	AKRYL FARBE 001 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			MINERAL PUTZ Thickness ≤ 3 mm	SILIKAT FARBE 002 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			MINERAL PUTZ Thickness ≤ 3 mm	SILIKON FARBE 003 / SILIKON FARBE 003 CALIFORNIA / SILIKON NANOTECH FARBE 006 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			MINERAL PUTZ Thickness ≤ 3 mm	SISI FARBE 004 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			MINERAL PUTZ Thickness ≤ 3 mm	EGALISATION FARBE 005 Max. amount applied 0.25 kg/m ²	100	100 C	N/A	N/A
			TREND AKRYL / TREND AKRYL CALIFORNIA Thickness ≤ 3 mm	N/A	100	100 C	N/A	N/A

Assessed configuration of the components								
Thermal insulation product	Base coat	Key coat	Finishing layer	Decorative coat	F _{render, min, aged} [kPa]	F _{render, mean, aged} [kPa]	F _{render, min, F-T} [kPa]	F _{render, mean, F-T} [kPa]
Thermal insulation product 1 TR ≥ 100 kPa	Haft- und Armierungsmörtel MAX 8 weiss	TREND Grund U 340 Max. amount applied 0.3 kg/m ²	TREND SILCO PROTECT Thickness ≤ 3 mm	N/A	80	90 C	N/A	N/A
			TREND SILKA Thickness ≤ 3 mm		100	100 C	N/A	N/A
			TREND SISI / TREND SISI CALIFORNIA / ECO TYNK 022 ECO PROTECT / ECO TYNK 022 ECO PROTECT CALIFORNIA Thickness ≤ 3 mm		100	100 C	N/A	N/A
			TREND ECO PROTECT / TREND ECO PROTECT CALIFORNIA Thickness ≤ 3 mm		100	100 C	N/A	N/A

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

The applicable AVCP system is 2+ for any use except for uses subject to regulations on reaction to fire. For uses subject to regulations on reaction to fire the applicable AVCP systems regarding reaction to fire are 1 or 2+ depending on the conditions defined hereafter.

According to the Decision 97/556/EC as amended by Decision 2001/596/EC of the European Commission the systems of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table apply.

Table 17

Product	Intended uses	Class(es) (reaction to fire)	Systems of assessment and verification of constancy of performance
External thermal insulation composite system/kits with rendering (ETICS)	in external wall subject to fire regulations	A ⁽¹⁾ – B ⁽¹⁾ – C ⁽¹⁾	1
		A ⁽²⁾ – B ⁽²⁾ – C ⁽²⁾ A (without testing) D – E – F	2+
	in external wall not subject to fire regulations	any	2+
(1) Materials for which the reaction to fire performance is susceptible to change during the production process			
(2) Materials for which the reaction to fire performance is not susceptible to change during the production process			

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD: 040083-01-0404

The manufacturer and the Technical and Test Institute for Construction Prague have agreed on a Control Plan which is deposited at the Technical and Test Institute for Construction Prague and it accompanies the ETA. The Control Plan specifies the type and frequency of checks/tests conducted on raw materials, manufactured and subcontracted components.

The manufacturer has defined special techniques of installation that shall always be followed.

Installation shall be done by qualified personnel trained in the special installation techniques defined by the manufacturer.

Notified carries out the initial inspection of the manufacturing plant and factory production control. Notified body also carries out continuous surveillance, assessment and evaluation of factory production control at least once per year.

Issued in Prague on 04/05/2026

by

Ing. Jiří Studnička, Ph.D.

Head of the Technical Assessment Body (TAB)



Annexes:

- | | |
|-------------|---|
| Annex No. 1 | Description of adhesive(s), base coat(s), key coat(s), decorative coat(s), grout(s) |
| Annex No. 2 | Description of thermal insulation product(s) |
| Annex No. 3 | Description of mechanical fixing device(s) |
| Annex No. 4 | Description of glass fibre mesh(es) |
| Annex No. 5 | Figures: graphs |

Annex No. 1 Description of adhesive(s), base coat(s), key coat(s), decorative coat(s), grout(s)

Table 18

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Adhesive 1 WDVS Klebemörtel 803 / WDVS Klebemörtel 803S	Powder to be mixed with water with prevalent binder based on: CEM I	0.5	1462	99,64	0.48	N/A
Adhesive 2 / Base coat 1 WDVS Klebe- und Armierungsmörtel 804 / WDVS Klebe- und Armierungsmörtel 804 weiss / Haft- und Armierungsmörtel MAX 8 / EMPORIO Fasádne lepidlo a stierka	Powder to be mixed with water with prevalent binder based on: CEM I	0.5	1345	99,90	0.31	N/A
Adhesive 3 / Base coat 2 Haft- und Armierungsmörtel MAX 8 weiss	Powder to be mixed with water with prevalent binder based on: CEM I	0.5	1230	98,91	0.23	N/A
Key coat 1 TREND Grund U 340	Ready to use liquid with prevalent binder based on: Styrene-acrylate copolymers	N/A	N/A	88,68	3.4	N/A
Render 1 MINERAL PUTZ 062 K 1.0 mm	Powder to be mixed with water with prevalent binder based on: CEM I	1.0	1271	98,39	-0.20	N/A
Render 2 MINERAL PUTZ 062 K 1.5 mm	Powder to be mixed with water with prevalent binder based on: CEM I	1.5	1281	98,41	1.82	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 3 MINERAL PUTZ 062 K 2.0 mm	Powder to be mixed with water with prevalent binder based on: CEM I	2.0	1312	98.36	1.82	N/A
Render 4 MINERAL PUTZ 062 K 3.0 mm	Powder to be mixed with water with prevalent binder based on: CEM I	3.0	1288	98.37	1.82	N/A
Render 5 MINERAL PUTZ 061 R 1.0 mm	Powder to be mixed with water with prevalent binder based on: CEM I	1.0	1251	98.33	1.82	N/A
Render 6 MINERAL PUTZ 061 R 2.0 mm	Powder to be mixed with water with prevalent binder based on: CEM I	2.0	1268	98.34	1.82	N/A
Render 7 MINERAL PUTZ 061 R 3.0 mm	Powder to be mixed with water with prevalent binder based on: CEM I	3.0	1272	98.40	1.82	N/A
Render 8 TREND AKRYL K 0.5 mm / TREND AKRYL CALIFORNIA K 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1722	92.35	1.82	N/A
Render 9 TREND AKRYL K 1.0 mm / TREND AKRYL CALIFORNIA K 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1840	92.22	1.82	N/A
Render 10 TREND AKRYL K 1.5 mm / TREND AKRYL CALIFORNIA K 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1890	92.41	1.82	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 11 TREND AKRYL K 2.0 mm / TREND AKRYL CALIFORNIA K 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1899	92.29	1.82	N/A
Render 12 TREND AKRYL K 3.0 mm / TREND AKRYL CALIFORNIA K 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1910	92.55	1.82	N/A
Render 13 TREND AKRYL R 0.5 mm / TREND AKRYL CALIFORNIA R 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1708	92.18	1.82	N/A
Render 14 TREND AKRYL R 1.0 mm / TREND AKRYL CALIFORNIA R 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1831	92.31	1.82	N/A
Render 15 TREND AKRYL R 1.5 mm / TREND AKRYL CALIFORNIA R 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1848	92.47	1.82	N/A
Render 16 TREND AKRYL R 2.0 mm / TREND AKRYL CALIFORNIA R 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1875	92.43	1.82	N/A
Render 17 TREND AKRYL R 3.0 mm / TREND AKRYL CALIFORNIA R 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1917	92.33	1.82	N/A
Render 18 TREND SILCO PROTECT K 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1791	91.26	2.32	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 19 TREND SILCO PROTECT K 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1893	91.56	2.32	N/A
Render 20 TREND SILCO PROTECT K 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1885	91.49	2.32	N/A
Render 21 TREND SILCO PROTECT K 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1899	91.88	2.32	N/A
Render 22 TREND SILCO PROTECT K 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1924	91.90	2.32	N/A
Render 23 TREND SILCO PROTECT R 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1788	91.28	2.32	N/A
Render 24 TREND SILCO PROTECT R 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1822	91.46	2.32	N/A
Render 25 TREND SILCO PROTECT R 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1878	91.55	2.32	N/A
Render 26 TREND SILCO PROTECT R 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1875	91.48	2.32	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 27 TREND SILCO PROTECT R 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1917	91.51	2.32	N/A
Render 28 TREND SILCA K 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1858	93.25	1.63	N/A
Render 29 TREND SILCA K 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1965	93.47	1.63	N/A
Render 30 TREND SILCA K 1.6 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1997	93.56	1.63	N/A
Render 31 TREND SILCA K 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	2008	93.31	1.63	N/A
Render 32 TREND SILCA K 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	2055	93.38	1.63	N/A
Render 33 TREND SILCA R 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1841	93.28	1.63	N/A
Render 34 TREND SILCA R 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1944	93.54	1.63	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 35 TREND SILCA R 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1988	93.59	1.63	N/A
Render 36 TREND SILCA R 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1990	93.64	1.63	N/A
Render 37 TREND SILCA R 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1996	93.67	1.63	N/A
Render 38 TREND SISI K 0.5 mm / TREND SISI CALIFORNIA K 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1732	92.42	1.83	N/A
Render 39 TREND SISI K 1.0 mm / TREND SISI CALIFORNIA K 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1858	92.72	1.83	N/A
Render 40 TREND SISI K 1.5 mm / TREND SISI CALIFORNIA K 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1886	92.68	1.83	N/A
Render 41 TREND SISI K 2.0 mm / TREND SISI CALIFORNIA K 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1893	92.55	1.83	N/A
Render 42 TREND SISI K 3.0 mm / TREND SISI CALIFORNIA K 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1916	92.43	1.83	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 43 TREND SISI R 0.5 mm / TREND SISI CALIFORNIA R 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1744	92.26	1.83	N/A
Render 44 TREND SISI R 1.0 mm / TREND SISI CALIFORNIA R 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1836	92.51	1.83	N/A
Render 45 TREND SISI R 1.5 mm / TREND SISI CALIFORNIA R 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1844	92.58	1.83	N/A
Render 46 TREND SISI R 2.0 mm / TREND SISI CALIFORNIA R 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1866	92.49	1.83	N/A
Render 47 TREND SISI R 3.0 mm / TREND SISI CALIFORNIA R 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1927	92.51	1.83	N/A
Render 48 TREND ECO PROTECT K 0.5 mm / TREND ECO PROTECT CALIFORNIA K 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1786	92.15	1.66	N/A
Render 49 TREND ECO PROTECT K 1.0 mm / TREND ECO PROTECT CALIFORNIA K 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1831	92.31	1.66	N/A
Render 50 TREND ECO PROTECT K 1.5 mm / TREND ECO PROTECT CALIFORNIA K 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1892	92.51	1.66	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 51 TREND ECO PROTECT K 2.0 mm / TREND ECO PROTECT CALIFORNIA K 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1912	92.44	1.66	N/A
Render 52 TREND ECO PROTECT K 3.0 mm / TREND ECO PROTECT CALIFORNIA K 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1920	92.38	1.66	N/A
Render 53 TREND ECO PROTECT R 0.5 mm / TREND ECO PROTECT CALIFORNIA R 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1762	92.20	1.66	N/A
Render 54 TREND ECO PROTECT R 1.0 mm / TREND ECO PROTECT CALIFORNIA R 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1812	92.28	1.66	N/A
Render 55 TREND ECO PROTECT R 1.5 mm / TREND ECO PROTECT CALIFORNIA R 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1838	92.39	1.66	N/A
Render 56 TREND ECO PROTECT R 2.0 mm / TREND ECO PROTECT CALIFORNIA R 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1888	92.33	1.66	N/A
Render 57 TREND ECO PROTECT R 3.0 mm / TREND ECO PROTECT CALIFORNIA R 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1896	92.43	1.66	N/A
Render 58 TREND SIPO MAX PROTECT K 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1745	91.18	2.32	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 59 TREND SIPO MAX PROTECT K 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1818	91.38	2.32	N/A
Render 60 TREND SIPO MAX PROTECT K 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1886	91.65	2.32	N/A
Render 61 TREND SIPO MAX PROTECT K 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1903	91.34	2.32	N/A
Render 62 TREND SIPO MAX PROTECT K 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1911	91.54	2.32	N/A
Render 63 TREND SIPO MAX PROTECT R 0.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	0.5	1725	91.15	2.32	N/A
Render 64 TREND SIPO MAX PROTECT R 1.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.0	1805	91.78	2.32	N/A
Render 65 TREND SIPO MAX PROTECT R 1.5 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	1.5	1824	91.69	2.32	N/A
Render 66 TREND SIPO MAX PROTECT R 2.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	2.0	1864	91.67	2.32	N/A

Component	Chemical nature	Max. grain size (tested) [mm]	Density as delivered (tested) [kg/m ³]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]	Tack free time Cutting time (tested) [s]
Render 67 TREND SIPO MAX PROTECT R 3.0 mm	Ready to use paste with prevalent binder based on: Styrene-acrylate copolymers	3.0	1889	91.75	2.32	N/A
Decorative coat 1 ACRYL FARBE 001	Ready to use liquid with prevalent binder based on: Styrene-acrylate copolymers	N/A	N/A	84.30	4.38	N/A
Decorative coat 2 SILIKAT FARBE 002	Ready to use liquid with prevalent binder based on: Styrene-acrylate copolymers	N/A	N/A	82.86	4.79	N/A
Decorative coat 3 SILIKON FARBE 003 / SILIKON FARBE 003 CALIFORNIA / SILIKON NANOTECH FARBE 006	Ready to use liquid with prevalent binder based on: Styrene-acrylate copolymers	N/A	N/A	84.12	5.27	N/A
Decorative coat 4 SISI FARBE 004	Ready to use liquid with prevalent binder based on: Styrene-acrylate copolymers	N/A	N/A	85.11	4.78	N/A
Decorative coat 5 ECO FARBE 009	Ready to use liquid with prevalent binder based on: Styrene-acrylate copolymers	N/A	N/A	84.75	4.5	N/A
Decorative coat 6 EGALISATION FARBE 005	Ready to use liquid with prevalent binder based on: Styrene-acrylate copolymers	N/A	N/A	84.26	5.28	N/A

Annex No. 2 Description of thermal insulation product(s)

Table 19

Component	Thermal insulation type	Minimal requirements on dimensional tolerances	Maximum water absorption after 24 hours of partial immersion [kg/m ²]	Minimal shear strength [kPa]	Minimal shear modulus [kPa]	Minimal compressive strength	Reaction to fire	Dimensional stability	Minimal tensile strength (TR) perpendicular to the faces in dry conditions [kPa]	Maximal thermal conductivity coefficient λ_0 [W/m·K]
Thermal insulation product 1	Expanded polystyrene (EPS) by EN 13163	Length ± 2 %, width ± 1.5 %	1	20 (only for use in bonded ETICS with or without mechanical fixings)	1000 (only for use in bonded ETICS with or without mechanical fixings)	CS(10)70 (not applicable for injected anchors)	E or better	DS(70,90)1 or better	≥ 100	0.065
	Homogenous structure	T1								
	Cellular, gas-filled, structure with panels cut from big blocks	Squareness tolerance 5 mm/m								
	Cut surface of faces	Flatness tolerance max. 6 mm								

Annex No. 3 Description of mechanical fixing device(s)

Table 20

Component	Type and specification	Form(s) of installation	Material	Geometry	Mechanical properties of the plate
Mechanical fixing device 1	Plastic anchors made of virgin or non –virgin material for fixing of external thermal insulation composite systems with rendering in accordance with EAD 330196-01-0604 or superseding version	Flush installation	Plastic Combination of plastic and metal	Shape, dimensions, use of slip-on washers (flush or countersunk into thermal insulation product) and pull-out from substrate is specified by the relevant ETA of the mechanical fixing device.	Stiffness and load resistance of the anchor plate as defined by the relevant ETA of the mechanical fixing device.
		Countersunk installation			
		Countersunk installation of spiral anchors			
		Setting position defined by the Manufacturer's Product Installation Instructions			

Annex No. 4 Description of glass fibre mesh(es)

Table 21

Component	Type and specification	Mesh opening	Mesh size	Mass per unit area [g/m ²]	Tensile strength after alkali conditioning [N/mm]	Retained tensile strength after alkali conditioning [%]	Ash content (tested) [%]	Heat of combustion (tested) [MJ/kg]
Glass fibre mesh 1 R 117 A101 / AKE 145	Rectangular mesh EAD 040016-00(01)-0404 or superseding document	Weft: 4.5 ± 0,5 mm Warp: 4.0 ± 0,5 mm	Weft: 5.8 ± 0.5 mm Warp: 4.7 ± 0.5 mm	140 to 180	≥ 20	≥ 50	80 ± 3%	6.64
Glass fibre mesh 2 R 131 A101 / AKE 160 / AKE 170	Rectangular mesh EAD 040016-00(01)-0404 or superseding document	Weft: 3.7 ± 0,5 mm Warp: 3.3 ± 0,5 mm	Weft: 4.6 ± 0.5 mm Warp: 4.0 ± 0.5 mm	160 to 176	≥ 20	≥ 50	82.2 ± 3%	5.80
Glass fibre mesh 3 R 167 A101	Rectangular mesh EAD 040016-00(01)-0404 or superseding document	Weft: 4.2 ± 0.5 mm Warp: 4.7 ± 0.5 mm	Weft: 5.1 ± 0.5 mm Warp: 5.0 ± 0.5 mm	167	≥ 20	≥ 50	81.0 ± 3%	6.64
Glass fibre mesh 4 REDNET CB330 NOVA	Rectangular mesh EAD 040016-00(01)-0404 or superseding document	Weft: 12.5 ± 0.5 mm Warp: 9.0 ± 0.5 mm	Weft: 8.4 ± 0.5 mm Warp: 6.0 ± 0.5 mm	320 to 360	≥ 20	≥ 50	84.0 ± 4%	8.48
Glass fibre mesh 5 SSA-1363-4 SM	Rectangular mesh EAD 040016-00(01)-0404 or superseding document	Weft: 3.6 ± 0.5 mm Warp: 4.3 ± 0.5 mm	Weft: 4.0 ± 0.5 mm Warp: 5.7 ± 0.5 mm	165	≥ 20	≥ 50	83 ± 3%	6.64
Glass fibre mesh 6 Generic type	Rectangular mesh EAD 040016-00(01)-0404 or superseding document	Weft: 4,2 ± 0,7 mm Warp: 4,0 ± 0,7 mm	Weft: 5.2 ± 0.7 mm Warp: 5,0 ± 0.7 mm	140 to 180	≥ 20	≥ 50	81 ± 3%	6.64

Annex No. 5 Figures: graphs

Figure 1: Pull-through test graph of EPS, dry, panel

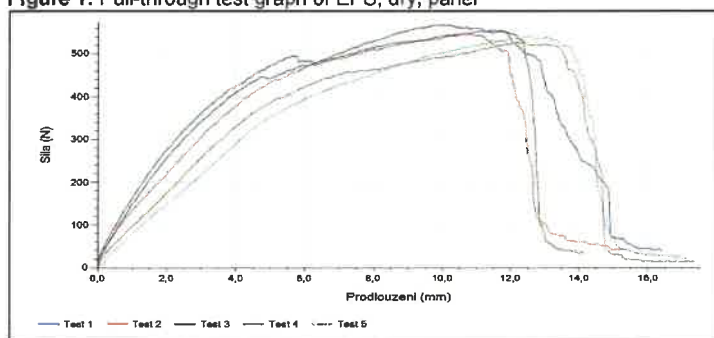


Figure 2: Pull-through test graph of EPS, dry, joint

