



Austrian Institute of Construction Engineering
Schenkenstrasse 4 | T+43 1 533 65 50
1010 Vienna | Austria | F+43 1 533 64 23
www.oib.or.at | mail@oib.or.at



European Technical Assessment

ETA-20/0720
of 23.12.2024

General part

Technical Assessment Body issuing the European Technical Assessment

Österreichisches Institut für Bautechnik (OIB)
Austrian Institute of Construction Engineering

Trade name of the construction product

RÖFIX PURWALL
HASIT PURWALL
FIXIT FIXITherm.pir
GREUTOL GreoTherm System PIR
KEISEL PURWALL

Product family to which the construction product belongs

External Thermal Insulation Composite Systems with rendering for the use as external insulation to walls of buildings

Manufacturer

FIXIT Trockenmörtel Holding AG
Haldenstrasse 5
6342 Baar
Switzerland

Manufacturing plant(s) of

Plant 1: RÖFIX; A-6832 Röthis
Plant 2: HASIT; D-85356 Freising
Plant 3: HASIT; CZ-34101 Hordazdovice
Plant 4: HASIT; SK-90055 Lozorno
Plant 5: HASIT; RO-401114 Turda
Plant 6: KREISEL; PL-60462 Poznan
Plant 7: FIXIT; CH-5113 Holderbank
Plant 8: GREUTOL; CH-8112 Otelfingen

This European Technical Assessment contains

18 pages incl. 6 Annexes

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

European Assessment Document (EAD)
040083-00-0404 "ETICS with renderings for the use on timber frame buildings"

The European Technical Assessment is issued by the Technical Assessment Body in its official language. Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and shall be identified as such.

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full. However, partial reproduction may only be made with the written consent of the issuing Technical Assessment Body. Any partial reproduction shall be identified as such.

electronic copy electronic copy electronic copy electronic copy electronic copy electronic copy electronic copy electronic copy electronic copy electronic copy

3.2 Hygiene, health and environment (BWR 3)

Essential characteristic	Performance
Release of dangerous substances	A written declaration was submitted by ETA-holder.
Water absorption Base coat after 1 hour after 24 hours Base coat after 1 hour after 24 hours	Average 0,07 [kg/m ²] Average 0,37 [kg/m ²] Average 0,03 [kg/m ²] Average 0,25 [kg/m ²]
Insulation product after 24 hours	Maximum value ≤ 1,0 [kg/m ²]
Water-tightness of the ETICS Hygrothermal behaviour on the test wall	Pass without defects
Impact resistance	Category, see Annex 3
Water vapour permeability - Rendering system - PUR/PIR insulation product	S _d value [m] see Annex 3 μ ≥ 50 Thickness of insulation product 200 [mm]

3.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Bond strength between base coat and insulation product	see Annex 4 - Minimal value/ average [kPa], rupture type: Initial state (28 d immersion) - Minimal value/ average [kPa], rupture type: after hygrothermal cycles
between adhesive and substrate	- Thickness [mm] of the used adhesives - Minimal value [kPa], rupture type: Initial state (dry conditions) - Minimal value/ average [kPa], rupture type: after 2 d immersion in water, 2 h drying - Minimal value/ average [kPa], rupture type: after 2 d immersion in water, 7 d drying
between adhesive and insulation product	- Thickness [mm] of the used adhesives - Minimal value [kPa], rupture type: Initial state (dry conditions) - Minimal value/ average [kPa], rupture type: after 2 d immersion in water, 2 h drying - Minimal value/ average [kPa], rupture type: after 2 d immersion in water, 7 d drying

Essential characteristic	Performance
Minimal bonded surface area	Not relevant, not purely bonded
Wind load resistance of ETICS pull-through test of fixing static foam block test	- Rpanel [kN/fixing], see Annex 4 - Rjoint [kN/fixing], see Annex 4 - Plate diameter of anchor ≥ 60 mm, - plate stiffness ≥ 0.3 [kN/mm ²] - load resistance of the anchor plate $\geq 1,0$ [kN]
Tensile strength perpendicular to the faces in dry conditions (PUR/PIR) Standard polyurethane foam (PUR) panels (EN 13165)	≥ 80 kPa
Shear strength of the ETICS PUR/PIR panel	≥ 50 [kPa]
Render strip tensile test	see Annex 4 crack width wrk [mm]
Bond strength after ageing finishing coat tested on the rig finishing coat not tested on the rig	see Annex 4 Minimal value/ average[kPa], rupture type Minimal value/ average [kPa], rupture type
Tensile strength of the glass fibre mesh in the as-delivered state Standard mesh	see Annex 4 Average [N/mm]
Residual tensile strength of the glass fibre mesh after aging Standard mesh	see Annex 4 Average [N/mm]
Relative residual tensile strength of the glass fibre mesh after aging Standard mesh	see Annex 4 Average [%]
Elongation of the glass fibre mesh in the as-delivered state Standard mesh Reinforced mesh	see Annex 4 Average [N/mm] Average [N/mm]
Elongation of the glass fibre mesh after aging Standard mesh Reinforced mesh	see Annex 4 Average [%] Average [%]

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

According to EAD 040083-00-0404 the applicable European legal act is: 97/556/EC changed by 2001/596/EC..

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 ⁽¹⁾ , A2 ⁽¹⁾ , B ⁽¹⁾ , C ⁽¹⁾	1
		A1 ⁽²⁾ , A2 ⁽²⁾ , B ⁽²⁾ , C ⁽²⁾ , D, E, (A1 to E) ⁽³⁾ , F	2+
	in external wall not subject to fire regulations	any	2+

⁽¹⁾ 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)

⁽²⁾ Products/materials not covered by footnote (1)

⁽³⁾ 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

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at the Österreichisches Institut für Bautechnik.

Issued in Vienna, on 23.12.2024
by Österreichisches Institut für Bautechnik

The original document is signed by:

Thomas Rockenschaub
Deputy Managing Director

Annex 1

1.1 Composition of the ETICS

	Components	Coverage (kg/m ²)	Thickness (mm)
	Bonded ETICS (partially or fully bonded. National application documents shall be taken into account)		
Insulation materials with associated methods of fixing	Insulation product: FIXIT Fassadendämmplatte (PUR/PIR) Adhesives: Aggregates, cement, sand, synthetic resin dispersion powder, additives: [IA 650], [IA 660], [IA 670], [IA 675], [IA 680], [IA 690]	- 4,0 to 8,0 (Powder)	40 to 200 /
Insulation materials with associated methods of fixing	Mechanically fixed ETICS with anchors and supplementary adhesive Insulation product: Standard expanded polystyrene panels Adhesives: Aggregates, cement, sand, synthetic resin dispersion powder, additives: [IA 650], [IA 660], [IA 670], [IA 675], [IA 680], [IA 690] Fixings: Anchors with valid ETA	- 4,0 to 8,0 (Powder) /	40 to 200 / /
Base coat	Aggregates, cement, sand, synthetic resin dispersion powder, additives: [IA 650], [IA 660], [IA 670], [IA 675], [IA 680]	4,5 to 10,0 (Powder)	3,0 to 12,0
Glass fibre mesh	Standard glass fibre mesh: Mesh size between 3 mm and 7 mm: [IG 342], [IG 345]	/	/
Key coat	Organic based with mineral fillers and pigments: [SP 300], [SP 310]	0,25 (liquid)	/

	[PE 319]	0,2 to 0,4 l (liquid)	/
--	----------	--------------------------	---

Note: General application conditions: the material data sheets have to be taken into account.

1.2 Characteristics of insulation material (PUR/PIR)

Description and characteristics	Bonded ETICS	Mechanically fixed ETICS with and without supplementary adhesive
	bonded with supplementary mechanical fixings	with anchors
Designation code	T2-DS(70,90)2-WL(T)1-C(10/Y)120-TR80-MU56	
Reaction to fire EN 13501-1	Euroclass E	
Thermal resistance	Defined in the CE marking in reference to EN 13165	
Water absorption EN 1609	$\leq 1 \text{ kg/m}^2$	
Water vapour diffusion resistance factor (μ) EN 12086	≥ 50	
Tensile strength EN 1607	$\geq 80 \text{ kPa (TR80)}$	
Shear strength EN 12090	$\geq 0,5 \text{ N/mm}^2$	Not relevant
Shear modulus EN 12090	$\geq 1,0 \text{ N/mm}^2$	Not relevant

Annex 2**Safety in case of fire (BWR 2)****Reaction to fire**

Configurations	Organic content	Flame retardant content	Euroclass according to EN 13501-1
Base coat	max. 4,1 %	no flame retardant	B – s1, d0
PUR/PIR panel	Euroclass E - Thickness: 40 mm to 200 mm - Density: 30 to 37 kg/m ³		
Anchors	-	-	
Rendering system Base coat with finishing coat and compatible key coat in clause 1.2:			
Primers according to Annex 1	max. 29,5 %	no flame retardant	
Finishing coat according to Annex 1	max. 10,3 %		

Annex 3

Hygiene, health and environment (BWR 3)

3.1 Water absorption (capillarity test) Rendering System

(base coat) and finishing coats indicated in Annex 1 (thickness 4 mm)	Average water absorption [kg/m ²]	
	after 1h	after 24h
[SE 410], 6 mm	0,061	0,312
[SE 772], 4 mm	0,065	0,439
[SE 773], 4 mm	0,050	0,308
[SE 714], 5 mm	0,066	0,441
[SE 715], 7 mm	0,063	0,468
[SE 716], 4 mm	0,059	0,302
[SE 717], 2 mm	0,068	0,370
[SE 750], 4 mm	0,061	0,319
[SE 310], 6 mm	0,066	0,434
[SE 799], 4 mm	0,056	0,318
[SE 780], 4 mm	0,063	0,443
[SE 510], 6 mm	0,063	0,475
[SE 520], 0,7 mm	0,057	0,311
[SE 530], 0,4 mm	0,068	0,370
[SE 210], 6 mm	0,058	0,371

3.2 Impact resistance

(base coat) and finishing coats indicated in Annex 1 (thickness 4 mm):	Mesh: [IG 342], [IG 345]
	Single standard layer
[SE 410], 1 mm	
[SE 772], 1,5 mm	
[SE 773], 2 mm	
[SE 714], 0,7 mm	
[SE 715], 0,7 mm	
[SE 716], 0,7 mm	
[SE 717], 2 mm	
[SE 750], 4-7 mm	
[SE 310], 1 mm	
[SE 799], 1 mm	
[SE 780], 1,5 mm	
[SE 510], 1 mm	
[SE 520], 0,7 mm	
[SE 530], 0,4 mm	
[SE 210], 1 mm	

Category II

Maximum impact diameter:
3 J: 0 mm
10 J: 45 mm

Presence of cracks:
yes (10J)

3.3 Water vapour permeability ETICS

Equivalent air thickness of			Calculated equivalent air thickness of the system	
base coat		finishing coat		
base coat indicated in Annex 1	0,003 m	[SE 410], 3 mm	0,006 m	0,40 m
		[SE 772], 4 mm	0,006 m	0,10 m
		[SE 773], 4 mm	0,006 m	0,10 m
		[SE 714], 4 mm	0,007 m	0,20 m
		[SE 715], 4 mm	0,006 m	0,20 m
		[SE 716], 4 mm	0,007 m	0,20 m
		[SE 717], 4 mm	0,006 m	0,20 m
		[SE 750], 4 mm	0,006 m	0,20 m
		[SE 310], 4 mm	0,007 m	0,30 m
		[SE 799], 4 mm	0,006 m	0,10 m
		[SE 780], 4 mm	0,006 m	0,20 m
		[SE 510], 6 mm	0,006 m	0,30 m
		[SE 520], 6 mm	0,008 m	0,10 m
		[SE 530], 6 mm	0,006 m	0,10 m
[SE 210], 6 mm	0,006 m	0,30 m		

Equivalent air thickness of primer (optional)	Water vapour permeability of the primer
[SP 300]	0,01 m
[SP 310]	0,01 m

Annex 4

4 Safety and accessibility in use (BWR 4)

4.1 Render strip tensile test

No performance assessed.

4.2 Bond strength between base coat and insulation product

PUR/PIR EN 13165, TR 80		Conditioning		
		Initial state [kPa]	After hygrothermal cycles [kPa]	After the freeze/thaw test
[IA 650], [IA 660], [IA 670], [IA 675], [IA 680]	Average	102*	70*	Not tested because freeze/thaw cycles not necessary
	Minimal value	99*	65*	
(*) cohesive rupture in the insulation product				

4.3 Bond strength between adhesive and substrate

Substrate: concrete		Conditioning		
		Initial state [kPa]	48 hrs. immersion in water and 2 hrs. drying [kPa]	48 hrs. immersion in water and 7 days drying [kPa]
[IA 650], [IA 660], [IA 670], [IA 675], [IA 680], [IA 690]	Average	1310	606	1467
	Minimal value	1274	555	1401

4.4 Bond strength between adhesive and insulation product

PUR/PIR EN 13165, TR 80		Conditioning		
		Initial state [kPa]	48 hrs. immersion in water and 2 hrs. drying [kPa]	48 hrs. immersion in water and 7 days drying [kPa]
[IA 650], [IA 660], [IA 670], [IA 675], [IA680], [IA 690]	Average	102	82	109
	Minimal value	99	80	105

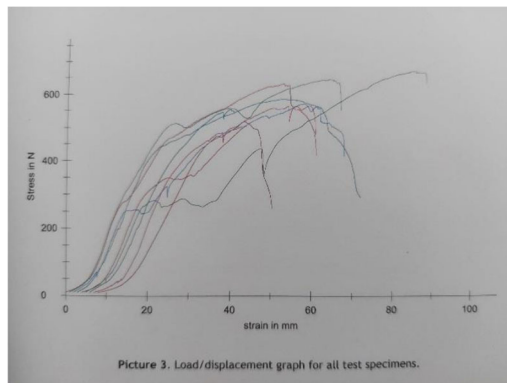
4.5 Wind load resistance

The following failure loads only apply to the listed combination of component characteristics and the characteristics of the insulation product. All anchors which shall be used are shown in the control plan and the declaration of performance.

4.5.1 Safety in use of mechanically fixed ETICS using anchors

Anchors for which the following failure loads apply	Trade name	Anchors with valid ETA		
	Characteristics of the insulation product panels for which the following failure loads apply	Plate diameter (mm) or Contact surface (mm ²)	≥ Ø 60 or ≥ 4400 mm ²	
Characteristics of the insulation product panels for which the following failure loads apply	Thickness (mm)	≥ 40		
	Tensile strength perpendicular to the face (kPa)	≥ 80		
Failure load [kN]	Anchors not placed at the panel joints (pull through test)*	R _{panel}	Minimum: Average:	≥ 0,40 ≥ 0,45
	Anchors placed at the panel joints (pull through test)*	R _{joint}	Minimum: Average:	≥ 0,40 ≥ 0,40
	Anchors not placed at the panel joints after ageing of 28d (pull through test)*	R _{panel}	Minimum: Average:	≥ 0,40 ≥ 0,45
	Static foam block test*	F _{Dowel}	Minimum: Average:	≥ 0,40 ≥ 0,40

* according to EAD 040083-00-0404 clause 2.2.14.2



Load displacement graph for all test specimens

The above given loads apply for all anchors if they meet the following criteria:

- valid ETA acc. to ETAG 014, used as EAD or EAD 330196-00-0604 or EAD 330965-00-0601
- plate stiffness of anchors ≥ 0,3 kN/mm
- load resistance of anchor plate ≥ 1,0 kN
- anchors mounted on the insulation panel surface or with the minimal residual thickness of the insulation product as stated above

The wind load resistance of the ETICS Rd is calculated as follow:

$$R_d = (R_{\text{panel}} + n_{\text{panel}} + R_{\text{joint}} \times n_{\text{joint}}) / \gamma$$

where:

n_{panel} : number (per m²) of anchors not placed at the panel joint

n_{joint} : number (per m²) of anchors placed at the panel joint

γ : national safety factor

The following values only apply for the combination (anchor plate characteristics) / (insulation product characteristics) mentioned in this table. All anchors which will be used are shown in the control plan and the declaration of performance.

4.6 Bond strength after aging

Base coat	[IA 650], [IA 660], [IA 670], [IA 675], [IA 680]	after ageing [kPa]		After freeze/thaw cycles
		Average:	Minimum:	
Rendering systems: Base coat + finishing coats indicated hereafter:	[SE 714] ⁽²⁾	Average:	100*	Test not required because freeze/thaw cycles not necessary
		Minimum:	80*	
	[SE 715] ⁽²⁾	Average:	110*	
		Minimum:	100*	
	[SE 716] ⁽¹⁾	Average:	130*	
		Minimum:	110*	
	[SE 750] ⁽²⁾	Average:	130*	
		Minimum:	100*	
	[SE 772] ⁽²⁾	Average:	130*	
		Minimum:	100*	
	[SE 773] ⁽²⁾	Average:	100*	
		Minimum:	80*	
	[SE 717] ⁽²⁾	Average:	110*	
		Minimum:	60*	
	[SE 799] ⁽²⁾	Average:	100*	
		Minimum:	80*	
	[SE 780] ⁽²⁾	Average:	110*	
		Minimum:	100*	
[SE 210] ⁽²⁾	Average:	120*		
	Minimum:	100		
[SE 310] ⁽²⁾	Average:	130*		
	Minimum:	110*		
[SE 410] ⁽²⁾	Average:	100*		
	Minimum:	80*		
[SE 510] ⁽²⁾	Average:	110**		
	Minimum:	90*		
[SE 520] ⁽²⁾	Average:	120*		
	Minimum:	100*		
[SE 530] ⁽²⁾	Average:	130*		
	Minimum:	100*		

(1) tested on rig (2) tested on small samples

* cohesive ruptures in insulation product

4.7 Reinforcement (glass fibre mesh)

Standard glass fibre mesh [IG 342], [IG 345]	warp direction	weft direction	acceptance criteria
mean of the tensile strength in N/50mm	1.900 – 2.450	1.800 – 2.500	–
mean of the tensile strength in N/50mm after ageing	1.000 – 1.250	1.000 – 1.450	–
tearing strength after ageing in %	50 - 66 %	50 - 70 %	≥ 50 %
tearing strength after ageing in N/mm	20,0 - 25,0 N/mm	20,0 - 29,0 N/mm	≥ 20 N/mm

A detailed list of all glass fibre meshes which may be used in this system are given in factory control plan (FPC) and in declaration of performance (DOP) of the ETICS. The FPC is deposited at the OIB.

Annex 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 Österreichisches Institut für Bautechnik have agreed a Control Plan which is deposited with the Österreichisches Institut für Bautechnik 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 the Österreichisches Institut für Bautechnik without delay.

ANNEX 6

6.1 Reference list of further trade names

Product	Fixit-Group	FIXIT	GREUTOL	HASIT	RÖFIX	KREISEL
Adhesive	[IA 650] alt [IA 660] neu	FIXIT IA 650	GREUTOL IA 650	HASIT IA 650	RÖFIX W50 Klebespachtel	KREISEL IA 650
	[IA 685] alt [IA 650] neu	FIXIT 437 Combimörtel Winter	GREUTOL Combi-Putz 488 TT	HASIT IA 650 HASIT IA 685	RÖFIX Winterstar	KREISEL IA 650 HASIT IA 685
	[IA 710] alt [IA 670] neu	FIXIT 435	GREUTOL IA 710	HASIT Dieplast 804 grau	RÖFIX POLYSTAR grau RÖFIX RasoBasic	KREISEL IA 710
	[IA 720] alt [IA 670] neu	FIXIT IA 720	GREUTOL IA 720	HASIT Dieplast 804 weiß	RÖFIX POLYSTAR weiß RÖFIX Polystar CAM RÖFIX RasoBasic	KREISEL IA 720
	[IA 730] alt [IA 650] neu	FIXIT 735 EPS Grundputz Combi leicht	GREUTOL Combi-Putz 430	HASIT 605	RÖFIX Unistar Basic	KREISEL IA 730
	[IA 735] alt [IA 650] neu	FIXIT IA 735	GREUTOL IA 735	HASIT IA 735	RÖFIX Unistar NHL Basic	KREISEL IA 735
	[IA 675]	FIXIT 433 Combiputz leicht	GREUTOL Combi-Putz 488		RÖFIX Poly Light RÖFIX Poly Light CAM RÖFIX Polystar Light mineralisch RÖFIX Poly Light mineralisch	-
	[IA 680]	FIXIT 439 Klebe- und Einbettmörtel Uni leicht	GREUTOL Combi light 432	HASIT Dieplast 860 Light HASIT Dieplast 868 Allstar Light	RÖFIX Unistar Light RÖFIX Unistar Light CAM RÖFIX Unistar Light mineralisch RÖFIX Unistar MINERAL RÖFIX Unistar Light XL	KREISEL IA 680
[IA 690]	FIXIT 469 Sockelmörtel Combi 1K	RÖFIX Collstar	HASIT Dieplast 874	RÖFIX Collstar	KREISEL IA 690	
Base Coat	[IA 650] alt [IA 660] neu	FIXIT IA 650	GREUTOL IA 650	HASIT IA 650	RÖFIX W50 Klebespachtel	KREISEL IA 650
	[IA 685] alt [IA 650] neu	FIXIT 437 Combimörtel Winter	GREUTOL Combi-Putz 488 TT	HASIT IA 650 HASIT IA 685	RÖFIX Winterstar	KREISEL IA 650 HASIT IA 685
	[IA 710] alt [IA 670] neu	FIXIT 435	GREUTOL IA 710	HASIT Dieplast 804 grau	RÖFIX POLYSTAR (grau) RÖFIX RasoBasic	KREISEL IA 710
	[IA 720] alt [IA 670] neu	FIXIT IA 720	GREUTOL IA 720	HASIT Dieplast 804 weiß	RÖFIX POLYSTAR (weiß) RÖFIX Polystar CAM RÖFIX RasoBasic	KREISEL IA 720
	[IA 730] alt [IA 650] neu	FIXIT 735 EPS Grundputz Combi leicht	GREUTOL Combi-Putz 430	HASIT 605	RÖFIX Unistar Basic	KREISEL IA 730
	[IA 735] alt [IA 650] neu	FIXIT IA 735	GREUTOL IA 735	HASIT IA 735	RÖFIX Unistar NHL Basic	KREISEL IA 735
	[IA 675]	FIXIT 433 Combiputz leicht	GREUTOL Combi-Putz 488		RÖFIX Poly Light RÖFIX Poly Light CAM RÖFIX Polystar Light mineralisch RÖFIX Poly Light mineralisch	KREISEL IA 675
	[IA 680]	FIXIT 439 Klebe- und Einbettmörtel Uni leicht	GREUTOL Combi light 432	HASIT Dieplast 860 Light HASIT Dieplast 868 Allstar Light	RÖFIX Unistar Light RÖFIX Unistar Light CAM RÖFIX Unistar Light mineralisch RÖFIX Unistar MINERAL RÖFIX Unistar Light XL	KREISEL IA 680
Glass fibre mesh	[IG 342]	-	-	HASIT Armie- rungsgewebe rot	RÖFIX P50 Armierungsgewebe	KREISEL Armierungsgewebe
	[IG 345]	FIXIT Armierungsgewebe 7x7	GREUTOL Armierungsgewebe 7x7	HASIT Armie- rungsgewebe weiß	-	-
Key Coat	[SP 300]	FIXIT 475 Grudierung für min. Deckputze	GREUTOL Voranstrich mineral	HASIT Putzgrund UNI	RÖFIX Putzgrund UNI	KREISEL SP 300
	[SP 310]	FIXIT 471 Putzgrund Premium	GREUTOL Voranstrich UNI	HASIT Putzgrund Premium	RÖFIX Putzgrund Premium	KREISEL SP 310

Product	Fixit-Group	FIXIT	GREUTOL	HASIT	RÖFIX	KREISEL
Finishing Coat (Powder)	[SE 714]	FIXIT 777 Edelputz	GREUTOL Edelputz 400 Vollabrieb / Rillenstruktur	HASIT 715 OPTI Scheibenputz HASIT 705 Kornstrukturputz HASIT 250 Renoplus HASIT 252 Renodesign	RÖFIX SE 714	KREISEL SE 714
	[SE 715]	FIXIT 777 Edelputz	GREUTOL Edelputz 400 Vollabrieb / Rillenstruktur	HASIT 704 OPTI Kratzputzstruktur HASIT 706 OPTI Edelkratzputzstruktur	RÖFIX 715 Edelputz Spezial RÖFIX 776 Schlamm- und Waschputz	KREISEL SE 715
	[SE 716]	FIXIT SE 716	GREUTOL SE 716	HASIT 710 Rillenputzstruktur	RÖFIX SE 716	KREISEL SE 716
	[SE 750]	FIXIT 764 Kellenwurf	GREUTOL Kellenwurf 300	HASIT 700 LITHIN Kellenwurf	RÖFIX 750 Kellenwurf	KREISEL SE 750
	[SE 772]	FIXIT SE 772	GREUTOL SE 772	HASIT SE 772	RÖFIX 772 Kratzputz	KREISEL SE 772
	[SE 773]	FIXIT 793 Steinputz	GREUTOL Steinputz 793	HASIT 725 Kratzputz opti 1	RÖFIX 773 Stoneline	KREISEL SE 773
	[SE717]	FIXIT SE 717	GREUTOL SE 717	HASIT 717	RÖFIX 717	KREISEL SE 717
	[SE 799]	FIXIT 745 Designputz	GREUTOL Multimörtel 406 / GREUTOL Multispachtel 407	HASIT SE 799	RÖFIX Designputz	KREISEL SE 799
[SE 780]	FIXIT SE 780	GREUTOL SE 780	HASIT SE 780	RÖFIX 780 Faschenputz	KREISEL SE 780	
Finishing Coat (Paste)	[SE 210]	Silikatputz aussen	Silikatputz aussen	HASIT SE 210 Mineral	RÖFIX Silikatputz RÖFIX GREEN	KREISEL Silikatputz
	[SE 310]	FIXIT 710 Universal Kunstharzputz	GREUTOL Deckputz aussen Vollabrieb Univrsal	HASIT SE 310 ELAST	RÖFIX Kunstharzputz	KREISEL Kunstharzputz
	[SE 410]	FIXIT 740 Si Silikonharzputz	GREUTOL Silikondeckputz 365/366	HASIT SE 410 PROTECT	RÖFIX Silikonharzputz Protect, RÖFIX Silikonharzputz Premium, RÖFIX FIBRA, RÖFIX DARK, RÖFIX SIL	KREISEL Silikonharzputz Protect
	[SE 510]	FIXIT 740 SI Silikonharzputz	GREUTOL Silikonharz Deckputz 361 / 360	HASIT SE 510 SISI VITAL	RÖFIX SiSi- Putz Vital, RÖFIX SiSi- Putz Kreativ, SiSi- Futura	KREISEL SiSi-Putz Vital
	[SE 520]	FIXIT 740 SI Silikonharzputz	GREUTOL Silikonharz Deckputz 361 / 360	HASIT Anticofino	RÖFIX Anticofino	FIXIT Anticofino
	[SE 530]	FIXIT 740 SI Silikonharzputz	GREUTOL Silikonharz Deckputz 361 / 360	HASIT Decofino,	RÖFIX Decofino	KREISEL Decofino
Finishing Paint	[PE 229]	Fixit 784 OF	GREUTOL GreoColor OptiSilc OF	HASIT PE 228 SILICATE SOL	RÖFIX PE 229 SOL SILIKAT	KREISEL PE 229
	[PE 319]	Fixit 782	GREUTOL Greo Color OptiTop	HASIT PE 319 OUTSIDE	RÖFIX PE 319 OUT SIDE	KREISEL PE 319
	[PE 410]	Fixit 785 evo	GREUTOL Greo Color Dispersion Aussen	HASIT PE 410 EGALISATION	RÖFIX PE 410 EGALISATION	KREISEL PE 410
	[PE 419]	FIXIT PE 419	-	HASIT PE 419	RÖFIX PE 419 ETICS	KREISEL PE 419
	[PE 429]	-	GREUTOL GreoColor OptiSilc	HASIT PE 429 SILOSAN	RÖFIX PE 429 SILOSAN	KREISEL PE 429
	[PE 516]	Fixit 786	-	HASIT PE 516 SISI MICRO	RÖFIX PE 516 SISI MICRO	KREISEL PE 516
	[PE 519]	Fixit 786 Si Silikat-Slikon-Überrolfarbe	GREUTOL OptiTop	HASIT PE 519 SISI OUTDOOR, HASIT PE 519 SISI IMPRESSIVE,	RÖFIX PE 519 PREMIUM SISI, RÖFIX PE 519 PREMIUM DARK	KREISEL PE 519

Note: Finishing paints optional for [SE 714], [SE 715], [SE 716], [SE 717], [SE 750], [SE 780] and [SE 799].

blank page

blank page