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European Technical Assessment Body  
for construction products



## European Technical Assessment

ETA-24/0213  
of 12 January 2026

English translation prepared by DIBt - Original version in German language

### General Part

Technical Assessment Body issuing the European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

FOME Dämmputzsystem

Product family  
to which the construction product belongs

Product area code: 4

Kits for external thermal insulation composite system (ETICS) with mortar as thermal insulation product and renderings or discontinuous claddings as exterior skin

Manufacturer

FIXIT Trockenmörtel Holding AG

Haldenstrasse 5

6342 BAAR

SCHWEIZ

Manufacturing plant

see Annex 7

This European Technical Assessment contains

15 pages including 7 annexes which form an integral part of this assessment

This European Technical Assessment is issued in accordance with Article 95(4) of Regulation (EU) No 2024/3110, on the basis of

EAD 040427-00-0404

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## Specific Part

### 1 Technical description of the product

The product “FOME Dämmputzsystem” is a thermal insulation composite system (ETICS) with a thermal insulation mortar and a render layer - a kit consisting of components that are factory-produced by the manufacturer or a supplier. The thermal insulation mortar consists of mineral mortar that is produced in situ using machine technology and applied to the substrate in multiple layers. It consists of an insulating layer and a base layer. The system is mechanically anchored to the substrate with plastic dowels through a reinforcement mesh. The ETICS is manufactured on site from these components. The ETICS manufacturer is ultimately responsible for all components of the ETICS listed in this ETA.

The corresponding components are listed in Annex 1. The thermal insulation mortar is provided with a render system consisting of a base coat and finishing coat (applied on site), whereby the base coat contains two layers of glass fibre mesh. The render system is applied directly to the thermal insulation mortar without an air gap or separating layer.

The ETICS includes special ancillary components (e.g. plinth profiles, edge profiles, etc.) for connection to adjacent structures (openings, corners, parapets, etc.). The assessment and performance of these components is not part of this ETA, however the ETICS manufacturer is responsible for the appropriate compatibility and performance within the ETICS when the components are supplied as part of the kit.

### 2 Specification of the intended use in accordance with the applicable European Assessment Document

The performances given in Section 3 can only be assumed if the ETICS is used in compliance with the specifications and under the boundary conditions given in Annex 2 to 6.

The test and assessment methods on which this ETA is based lead to the assumption of a working life of the “FOME Dämmputzsystem” of at least 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the manufacturer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

The ETICS may be used on exterior walls made of masonry and concrete.

For use, maintenance and repair, the finishing coat must be maintained to fully preserve the performance characteristics of the ETICS. The maintenance includes at least

- Visual inspection of the ETICS,
- Repairs of accidental localized damage,
- perspective maintenance with products that match the ETICS (possibly after washing or appropriate preparation).

Necessary repairs must be carried out as soon as the need has been recognized.

Information on use, maintenance and repair is given in the manufacturer's technical documentation.

It is the responsibility of the manufacturer to ensure that the information is made known to the responsible persons.

### 3 Performance of the product and indication of the methods used to assess it

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

Essential characteristic	Performance
Reaction to fire	(see Annex 2) Euroclass according to EN 13501-1
Façade fire performance	No performance assessed

#### 3.2 Hygiene, health and environment (BWR 3)

Essential characteristic	Performance
<b>Water absorption by capillarity</b> thermal insulation mortar, base coat, finishing coat after 3 minutes after 1 hour after 24 hours	(see Annex 3.1)  Average [kg/m <sup>2</sup> ] Average [kg/m <sup>2</sup> ] Average [kg/m <sup>2</sup> ]
<b>Water vapour permeability</b> - Rendering System	(see Annex 3.2) s <sub>d</sub> Value [m]
<b>Content, emission and/or release of dangerous substances</b>	No performance assessed
<b>Watertightness of the ETICS: Hygrothermal behavior</b>	Passed without defects

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

Essential characteristic	Performance
<b>Impact resistance</b>	(see Annex 4.1) Category
<b>Bond strength</b>	(see Annex 4.2) - Minimum value/average [kPa], failure mode: Initial state (28 d storage) - Minimum value/average [kPa], after 2 d water storage, 2 h drying - Minimum value/average [kPa], after 2 d water storage, 7 d drying - Minimum value/average [kPa], failure mode after hygrothermal cycles
<b>Cohesion of the thermal insulation mortar</b> Bond strength of thermal insulation mortar and substrate	No performance assessed
<b>Shear strength and shear modulus of the thermal insulation mortar</b>	(see Annex 4.3) Minimum value/average [kPa]
<b>Dead load behaviour</b>	not applicable

**3.4 Protection against noise (BWR 5)**

Essential characteristic	Performance
Improvement of airborne sound insulation	No performance assessed

**3.5 Energy economy and heat retention (BWR 6)**

Essential characteristic	Performance
Thermal conductivity and thermal resistance	(see Annex 5) Nominal value $\lambda$ [W/(m · K)]

**4 System applied for the assessment and verification of constancy of performance with indication of the legal basis**

According to the European Assessment Document EAD 040427-00-0404 the following legal basis applies: Decision 1997/556/EC amended by Decision 2001/596/EC.

The following systems are applicable:

Product	Intended use	Levels or classes (fire behavior)	Systems
"FOME Dämmputzsystem"	ETICS on external walls with fire protection requirements	A1 <sup>(1)</sup> , A2 <sup>(1)</sup> , B <sup>(1)</sup> , C <sup>(1)</sup>	1
		A1 <sup>(2)</sup> , A2 <sup>(2)</sup> , B <sup>(2)</sup> , C <sup>(2)</sup> , D, E, (A1 bis E) <sup>(3)</sup> , F	2+
	ETICS on exterior walls without fire protection requirements	any	2+
<p><sup>(1)</sup> Products/materials that undergo a specific treatment during their manufacture that leads to a better classification of their reaction to fire (e.g. addition of a flame retardant or limitation of the content of organic substances)</p> <p><sup>(2)</sup> Products/materials to which footnote (1) does not apply</p> <p><sup>(3)</sup> Products/materials that are not tested for reaction to fire (e.g. products/materials of class A1 according to Commission Decision 96/603/EC)</p>			

In accordance with the above provisions, System 1 shall be used for the ETICS with regard to reaction to fire.

**5 Technical details necessary for the implementation of the system of assessment and verification of constancy of performance in accordance with the applicable European Assessment Document**

Technical details necessary for the implementation of the system of assessment and verification of constancy of performance are included in the control plan deposited at Deutsches Institut für Bautechnik.

Issued in Berlin on 12 January 2026 by Deutschen Institut für Bautechnik

Anja Rogsch  
Head of Section

*beglaubigt:*  
Klette

## Annex 1

### Composition of the ETICS

	<b>Components</b> National application documents shall be taken into account	<b>Coverage</b> [kg/m <sup>2</sup> ]	<b>Thickness</b> [mm]
<b>Primer coat</b>	<b>FOME Haftbrücke</b>	3.9 – 5.2	3.0 – 4.0
<b>Thermal insulation mortar</b>	<ul style="list-style-type: none"> <li>• <b>Mineral thermal insulation mortar</b> consisting of</li> <li><b>Insulation layer:</b> <ul style="list-style-type: none"> <li>– <b>FOME Dämmputz</b></li> </ul>                     Produced in situ using a machine technique and applied to the substrate in multiple layers                      Density: 110 kg/m<sup>3</sup> ± 15 kg/m<sup>3</sup> </li> <li><b>Load-bearing layer:</b> <ul style="list-style-type: none"> <li>– <b>FOME Dämmschutz</b></li> </ul>                     Produced in situ using a machine technique and applied to the substrate in multiple layers                 </li> </ul>	<p style="text-align: center;">≤ 22.0</p> <p style="text-align: center;">13.0 – 15.0</p>	<p style="text-align: center;">≤ 200</p> <p style="text-align: center;">≤ 175</p> <p style="text-align: center;">≤ 25</p>
<b>Mechanical fixings</b>	<ul style="list-style-type: none"> <li>• <b>Plastic anchors for thermal insulation mortar</b> <ul style="list-style-type: none"> <li>– EJOT Schraubdübel STR U</li> <li>– EJOT Schraubdübel STR U 2G</li> <li>– EJOT Schraubdübel S1</li> <li>– RANIT Schraub-Nageldübel EASY G2</li> <li>– RANIT Teleskop-Schraubdübel ROCKET</li> <li>– HILTI Schraubdübel HTR-P</li> </ul>                     All anchors with ETA according to EAD 330196-01-0604<sup>1</sup>                      The plastic anchors are placed through the first layer of the base coat reinforcement “FOME Armierungsgewebe”.                 </li> </ul>	–	–
<b>Base coat</b>	<b>FOME Armierungsmörtel</b> Cement-bound dry mortar that requires the addition of approx. 35 % water:	6.5 – 9.0	8.0 – 10.0
<b>Base coat reinforcement</b>	<b>FOME Armierungsgewebe</b> Alkali-resistant and slip-resistant glass fibre reinforcement mesh with a basis weight of approx. 170 g/m <sup>2</sup> and a mesh size of approx. 6.0 mm x 6.0 mm	–	–
<b>Key coat</b>	<b>FOME Putzgrund*</b> Ready-to-use pigmented liquid - polymer dispersion based on acrylate and copolymer For compatibility with finishing coats see below	0.18 l/m <sup>2</sup>	–
	<b>FOME Putzgrund Premium*</b> Ready-to-use pigmented liquid - polymer dispersion based on acrylate and copolymer For compatibility with finishing coats see below	0.18 l/m <sup>2</sup>	–

<sup>1</sup> EAD330196-01-0604

Plastic anchors for fixing of external thermal insulation composite systems with rendering

	<b>Components</b> National application documents shall be taken into account	<b>Coverage</b> [kg/m <sup>2</sup> ]	<b>Thickness</b> [mm]
<b>Finishing coat</b>	<p><b>To use with key coat "FOME Putzgrund Premium":</b></p> <ul style="list-style-type: none"> <li>Cement-bound dry mortar that requires the addition of approx. 30 % water:</li> </ul> <p><b>FOME Edelputz</b> (Particle size 2.0 mm)</p> <p><b>To use with key coat "FOME Putzgrund Premium" and if applicable decorative coat "FOME Außenanstrich SISI":</b></p> <ul style="list-style-type: none"> <li>Ready-to-use pastes:</li> </ul> <p><b>FOME Deckputz Silikon</b> (Particle size 2.0 mm); Polymer dispersion based on acrylate copolymer and silicone resin binder</p> <p><b>FOME Deckputz SISI</b> (Particle size 2.0 to 3.0 mm); Polymer dispersion based on acrylate copolymer with silicate/silicone resin binder</p>	<p>2.0 – 4.2</p> <p>1.9 – 3.3</p> <p>2.9</p>	<p>Regulated by the particle size</p>
<b>Decorative coat</b>	<b>FOME Außenanstrich SISI</b>	0.15 l/m <sup>2</sup>	-
<b>Ancillary components</b>	The responsibility lies with the manufacturer of the ETICS.		
* The manufacturer is responsible for informing the processor about the use of a key coat.			

## Annex 2

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

#### 2.1 Reaction to fire

System composition	Organic content	Flame retardant	Euroclass according to EN 13501-1
Primer coat "FOME Haftbrücke"	≤ 2.0 %	-	A2 - s1,d0*
Insulation layer "FOME Dämmputz"	≤ 1.0 %	-	
Load-bearing layer "FOME Dämmschutz"	≤ 1.0 %	-	
Mechanical fixing	-	-	
<b>Rendering system</b> Base coat with finishing coat and compatible key coat as indicated below			
Base coat "FOME Armierungsmörtel"	≤ 1.1 %	-	
"FOME Deckputz Silikon" with key coat "FOME Putzgrund"	9.6 %	-	
"FOME Deckputz SISI" with key coat "FOME Putzgrund"	9.1 %	-	
"FOME Edelputz" with key coat "FOME Putzgrund Premium"	1.6 %	-	
Decorative coat "FOME Außenanstrich SISI"	15.2 %	-	
* Only valid for use on substrates of classes A1 and A2-s1, d0 according to DIN EN 13501-1 (exterior walls made of masonry or concrete)			

### Annex 3

#### Hygiene, health and environment (BWR 3)

##### 3.1 Water absorption by capillarity

Rendering system ETICS consisting of "FOME Dämmschutz" with base coat "FOME Armierungsmörtel" and finishing coat as indicated below	Average water absorption [kg/m <sup>2</sup> ]		
	after 3 min	after 1 h	after 24 h
Without finishing coat	no performance assessed	0.125	0.646
Finishing coat "FOME Deckputz Silikon"	no performance assessed		
Finishing coat "FOME Deckputz SISI"	no performance assessed		
Finishing coat "FOME Edelputz"	no performance assessed		

##### 3.2 Water vapour permeability

Component	Water vapor diffusion resistance coefficient acc. EN ISO 12572 $\mu$ [-]
Primer coat "FOME Haftbrücke"	no performance assessed
Insulation layer "FOME Dämmputz"	2.3
Load-bearing layer "FOME Dämmschutz"	5.1
Base coat "FOME Armierungsmörtel"	no performance assessed
Key coat "FOME Putzgrund"	no performance assessed
Key coat "FOME Putzgrund Premium"	no performance assessed
Finishing coat "FOME Deckputz Silikon"	no performance assessed
Finishing coat "FOME Deckputz SISI"	no performance assessed
Finishing coat "FOME EDELPUTZ"	no performance assessed
Decorative coat "FOME Außenanstrich SISI"	no performance assessed

## Annex 4

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

#### 4.1 Impact resistance

Rendering system: Thermal insulation mortar with base coat "FOME Armierungsmörtel" and finishing coat as indicated below	Impact	Double-layer reinforcement "FOME Armierungsgewebe"
FOME EDELPUTZ (2.0 mm) with Decorative coat "FOME Außenanstrich SISI"	H3	Category II
	H2	no performance assessed
	H1	no performance assessed
	S4	Category I
	S3	no performance assessed
	S2	Category I
	S1	no performance assessed
FOME Deckputz SISI (2.0 mm)	H3	Category II
	H2	no performance assessed
	H1	no performance assessed
	S4	Category I
	S3	no performance assessed
	S2	Category I
	S1	no performance assessed

No performance was assessed for resistance to impact loads for other renderreinforcement-combinations.

#### 4.2 Bond strength

Thickness finishing coat [mm]	Conditioning	Average [MPa]	Minimum value [MPa]	Failure mode <sup>1)</sup>	Ratio <sup>2)</sup>
"FOME Dämmschutz" with base coat "FOME Armierungsmörtel" without finishing coat					
-	dry	0.060	0.049	100%C	-
	2 d H <sub>2</sub> O + 2 h dry	0.061	0.056	100%C	102 %
	2 d H <sub>2</sub> O + 7 d dry	0.053	0.038	100%C	88 %
"FOME Dämmschutz" with base coat "FOME Armierungsmörtel" with finishing coat "FOME Deckputz Silikon"					
2.0	hygrothermal cycles	0.127	0.100	40%B/60%C	-
"FOME Dämmschutz" with base coat "FOME Armierungsmörtel" with finishing coat "FOME Deckputz SISI"					
2.0	hygrothermal cycles	0.126	0.059	20%B/80%C	-
3.0	hygrothermal cycles	0.133	0.096	100%C	-
"FOME Dämmschutz" with base coat "FOME Armierungsmörtel", finishing coat "FOME Edelputz" and decorative coat "FOME Außenanstrich SISI"					
2.0	hygrothermal cycles	0.104	0.071	100%A	-
3.0	hygrothermal cycles	0.113	0.104	60%B/40%C	-
1) A = Adhesive fracture between load-bearing layer/base coat; B = Cohesive fracture in the base coat; C = Cohesive fracture in the load-bearing layer					
2) from average after conditioning to average dry					

#### 4.3 Shear strength and shear modulus of the thermal insulation mortar

Conditioning	Shear strength		
	Average [kPa]	Minimum value [kPa]	Ratio <sup>1)</sup>
Load-bearing layer "FOME Dämmschutz" (tested without "FOME Dämmputz")			
dry	99	94	-
7 d 70 °C & 95 % RH + 23 °C & 50 % RH until dry	106	95	107 %
28 d 70 °C & 95 % RH + 23 °C & 50 % RH until dry	95	83	96 %
1) from average after conditioning to average dry			

Conditioning	Shear modulus		
	Average [kPa]	Minimum value [kPa]	Ratio <sup>1)</sup>
Load-bearing layer "FOME Dämmschutz" (tested without "FOME Dämmputz")			
dry	6749	4815	-
7 d 70 °C & 95 % RH + 23 °C & 50 % RH until dry	7703	7072	114 %
28 d 70 °C & 95 % RH + 23 °C & 50 % RH until dry	6147	4322	91 %
1) from average after conditioning to average dry			

## Annex 5

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

#### Thermal conductivity and thermal resistance

The thermal conductivity and the moisture conversion factors of the "FOME Dämmputz" was determined according to EAD 040427-00-0404, Annex H.1.

Insulation layer	Thermal conductivity		Moisture content		Moisture conversion factors	
	$\lambda_{10,dry,mean}$ [W/(m·K)]	$\lambda_{10,dry,90,90}$ [W/(m·K)]	$u_{23,50}$ [-]	$u_{23,80}$ [-]	$f_{u,1}$ [-]	$f_{u,2}$ [-]
"FOME Dämmputz"	0.040	0.044	0.086	0.135	0.178	0.081
$\lambda_{10,dry,mean}$ $\lambda_{10,dry,90,90}$	mean value of thermal conductivity at dry conditions fractile giving 90 % confidence that 90 % of the test results will be lower					

The following nominal values of thermal conductivity are relevant:

$$\lambda_{D1} = 0.044 \text{ W/(m·K)} \quad \text{for "FOME Dämmputz"}$$

$$\lambda_{D2} = 0.102 \text{ W/(m·K)} \quad \text{for "FOME Dämmschutz"}$$

To determine the design value of the thermal resistance  $\lambda_U$  in accordance with EN ISO 10456, the following conversion factors apply to "FOME Dämmputz":

$$F_{m1} = 1.015 \quad (\text{dry to } 23 \text{ °C}/50 \text{ \% RH})$$

$$F_{m2} = 1.004 \quad (23 \text{ °C}/50 \text{ \% RH to } 23 \text{ °C}/80 \text{ \% RH})$$

The thermal resistance of the entire ETICS ( $R_{ETICS}$ ) is calculated from the thermal resistance of the individual components in accordance with EAD 040427-00-0404, Annex H.2 or EN ISO 6946.

$$R_{ETICS} = R_{finishing\_coat} + R_{base\_coat} + R_{insulation\_layer2} + R_{insulation\_layer1} \text{ [W/(m}^2 \cdot \text{K)]}$$

with:	$R_{finishing\_coat}$	Thermal resistance of finishing coat [W/(m <sup>2</sup> ·K)]
	$R_{base\_coat}$	Thermal resistance of "FOME Armierungsmörtel" [W/(m <sup>2</sup> ·K)]
	$R_{insulation\_layer2}$	Thermal resistance of "FOME Dämmschutz" [W/(m <sup>2</sup> ·K)]
	$R_{insulation\_layer1}$	Thermal resistance of "FOME Dämmputz" [W/(m <sup>2</sup> ·K)]

The thermal bridges caused by mechanical fixings (plastic anchors) increase the heat transfer coefficient  $U$ . This influence must be taken into account in accordance with EN ISO 6946.

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

with:	$U_c$	Corrected heat transfer coefficient [ $W/(m^2 \cdot K)$ ]
	$U$	thermal transmittance of the whole external wall, including ETICS, without thermal bridges
		$U = 1 / (R_{si} + R_{substrate} + R_{ETICS} + R_{se})$
		with:
		$R_{si}$ internal surface thermal resistance [ $W/(m^2 \cdot K)$ ]
		$R_{substrate}$ thermal resistance of the substrate wall [ $W/(m^2 \cdot K)$ ]
		$R_{ETICS}$ thermal resistance of the entire ETICS [ $W/(m^2 \cdot K)$ ]
		$R_{se}$ external surface thermal resistance [ $W/(m^2 \cdot K)$ ]
	$\chi_p$	local influence of the thermal bridge caused by an anchor. The following values can be used if the approval of the anchor does not contain any information about this
	$\chi_p = 0.002 \text{ W/K}$	for anchors with a stainless steel screw with an anchor head covered with plastic material and for anchors with an air gap at the head of the screw
	$\chi_p = 0.004 \text{ W/K}$	for anchors with galvanized steel screw and with an anchor head covered with plastic material
	$\chi_p = 0.008 \text{ W/K}$	for all other plastic anchors (worst case)
	$n$	Number of plastic anchors per $m^2$

Annex 6

List of concordances

"FOME Dämmputzsystem"	"FIXIT Gruppe"	"FIXIT CH"	"GREUTOL"	"HASIT"	"RÖFIX"	"KREISEL"
<b>Primer coat</b>						
FOME Haftbrücke	IA 670		FOME Haftbrücke			
<b>Thermal insulation mortar</b>						
FOME Dämmputz	FOME 111		FOME Dämmputz			
FOME Dämmschutz	FOME 451		FOME Dämmschutz			
<b>Base coat</b>						
FOME Armierungsmörtel	IA 640		FOME Armierungsmörtel			
<b>Base coat reinforcement</b>						
FOME Armierungsgewebe	IG 345	Fixit Armierungsgewebe 7x7	Greutol Armierungsgewebe 7x7	Hasit Armierungsgewebe weiß	Röfix P100	Kreisel IG 345
<b>Key coat</b>						
FOME Putzgrund	SP 310	Fixit 471 Putzgrund Premium	Greutol GreoPrime Vordecorative coat Uni	Hasit Putzgrund Premium	Röfix Putzgrund Premium	Kreisel SP 310
FOME Putzgrund Premium	SP 300	Fixit 475 Grundierung für mineralische Deckputze	Greutol GreoPrime Voranstrich Mineral	HASIT Putzgrund UNI	RÖFIX Putzgrund UNI	Kreisel SP 300
<b>Finishing coat</b>						
FOME Edelputz	SE 715	FIXIT 777	Greutol Edelputz 400	Hasit 704 OPTI Kratzputzstruktur, 706 OPTI Edelkratzputzstruktur	Röfix 715 Edelputz Spezial, 776 Schlämm- und Waschputz	Kreisel SE 715
FOME Deckputz Silikon	SE 410	Fixit 746 Silikondeckputz	Greutol Silikon Deckputz 365 / 366	Hasit SE 410 Protect	Röfix Silikonharzputz Protect, Röfix Silikonharzputz Premium, Röfix FIBRA, Röfix DARK, Röfix SIL	Kreisel Silikonharzputz Protect
FOME Deckputz SISI	SE 510	Fixit 740 Si Silikonharzputz / Silikatputz aussen	Greutol Silikonharzputz Deckputz 361 / 360 / Silikatputz aussen	Hasit SE 510 SISI Vital	Röfix SISI-Putz Vital, Röfix SISI-Putz Kreativ, SISI-Futura	Kreisel SISI-Putz Vital
<b>Decorative coat</b>						
FOME Außendecorative coat SISI	PE 519	Fixit 786 Si Silikat-Silikon-Überrollfarbe / Silikatfarbe aussen / Premium Dark	Greutol GreoColor OptiTop / Silikatfarbe aussen / Premium Dark	Hasit PE 519 SISI OUTDOOR, Hasit PE 519 SISI IMPRESSIVE	Röfix PE 519 Premium SISI / Röfix PE519 Premium Dark	Kreisel PE 519

## Annex 7

### Manufacturing companies

#### **FIXIT Trockenmörtel Holding AG**

Haldenstrasse 5  
6342 Baar  
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#### **HASIT CZ**

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