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Član EOTA
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European Technical Assessment

ETA-10/0334
of 26/11/2015

English version prepared by ZAG
I GENERAL PART

Komercialno ime
Trade name

JUBIZOL MW

Imetnik tehnične ocene:
Holder of Technical Assessment :

JUB d.o.o.
Dol pri Ljubljani 28
SI-1262 Dol pri Ljubljani
Slovenija

Družina proizvoda:

Zunanji toplotnoizolacijski sestavljeni sistemi z ometom, namenjeni za izolacijo zunanjih zidov zgradb

Product family :

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

Proizvodni obrat:
Manufacturing plant

Plant 1 **Plant 4**

Plant 2 **Plant 5**

Plant 3

Ta Evropska tehnična ocena vsebuje:
This European Technical Assessment contains

42 strani vključno s 3 prilogami, ki so sestavni del te ocene
42 pages including 3 annexes which form an integral part of the document

Ta Evropska tehnična ocena je izdana na podlagi Uredbe (EU) št. 305/2011 na podlagi
This European Technical Assessment is issued in accordance to Regulation (EU) No 305/2011, on the basis of

Smernice za evropska tehnična soglasja ETAG 004, izdaja februar 2013, ki se uporablja kot EAD
Guideline for European Technical Approval ETAG 004, edition February 2013, used as EAD

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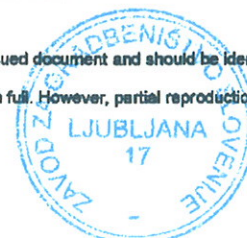


Table 2: ETICS components - Adhesives.

Components (see § 3. for further description, characteristics and performances of the components)	
Adhesives	Coverage (kg/m ²)
JUBIZOL ADHESIVE MORTAR – dry mix cement based adhesive requiring addition of ≈ 20 % water	3,5 – 5,0 (powder)
JUBIZOL STRONG FIX – dry mix cement based adhesive requiring addition of ≈ 20 % water	3,5 – 5,0 (powder)
JUBIZOL ADHESIVE – dry mix cement based adhesive requiring addition of ≈ 20 % water	3,5 – 5,0 (powder)
JUBIZOL ULTRALIGHT FIX - dry mix cement-based mortar with EPS beads, refined with polymer binder, requiring addition of ≈ 24% water.	4,8 – 9,6 (powder)
JUBIZOL UNIWOOL ADHESIVE - dry mix cement-based mortar, refined with polymer binder, requiring addition of ≈ 23% water	4,2 – 8,4 (powder)

Table 3: ETICS components - Anchors.

Components (see § 3. for further description, characteristics and performances of the components)
Anchors
EJOT Ejoterm ST U, Ejoterm STR-U, SDM-T plus, SDF-K plus, Ejoterm NT-U, Ejoterm NK-U, Ejoterm NTK-U, H3
Hilti SX-FV, SD-FV 8, XI-FV
Fischer Termoz 8 U, 8 N
Leskovec Plastično pritrdilo PP, Pritrdilno sidro PSK, Pritrdilno sidro PPV
Kosmatin UD PK

Table 4: ETICS components – Base coats.

Components (see § 3. for further description, characteristics and performances of the components)		
Base coats	Coverage (kg/m ²)	Thickness (mm)
JUBIZOL ADHESIVE MORTAR – dry mix cement base coat powder requiring addition of ≈ 20 % water. Base coat consists of aggregates, cement, dispersion powder, special additives	5,6 – 8,4 (powder)	maximal (dry): 6
JUBIZOL STRONG FIX – dry mix cement base coat powder requiring addition of ≈ 20 % water. Base coat consists of aggregates, cement, dispersion powder, special additives	5,6 – 8,4 (powder)	
JUBIZOL ULTRALIGHT FIX - dry mix cement-based mortar with EPS beads, refined with polymer binder, requiring addition of ≈ 24% water.	4,8 – 9,6 (powder)	minimal (dry): 4
JUBIZOL UNIWOOL ADHESIVE - dry mix cement-based mortar, refined with polymer binder, requiring addition of ≈ 23% water	4,2 – 8,4 (powder)	

Table 5: ETICS components – Reinforcement.

Components (see § 3. for further description, characteristics and performances of the components)
Reinforcement
JUBIZOL GLASS FIBRE MESH where JUBIZOL GLASS FIBRE MESH is ETA holder own designation



Table 8: ETICS components – Façade paints.

Components (see § 3. for further description, characteristics and performances of the components)	
Façade paints	Coverage (ml/m ²)
Acrycolor – based on water-based acrylic binders, special additives in combination with all finishing coats.	200 (solution)
Revitalcolor AG - based on water-based acrylic binders, special additives, micro-reinforcing fibers in combination with all finishing coats.	270 (solution)
Jubosilcolor Silicone - based on water-based silicon binders, special additives in combination with all finishing coats.	200 (solution)
Nanoxilcolor - based on water-based silicone binders, special additives, special fillers, micro-reinforcing fibers.	270 (solution)
Revitalcolor Silicone - based on water-based silicone binders, special additives, micro-reinforcing fibers.	270 (solution)
Jubosilcolor Silicate - based on water-based potassium silicate binder, special additives in combination with all finishing coats.	200 (solution)
Revitalcolor Silicate - based on water-based potassium silicate binder, special additives, micro-reinforcing fibers.	270 (solution)
Décor Antique - based on water-based potassium silicate binder, special additives (in combination with all finishing coats).	180 (solution)

Table 9: Components to be applied for bonded ETICS.

Bonded ETICS
Insulation mineral wool lamellas Knauf FKL [MW-EN 13162-T5-DS(TH)-TR80-WS-MU1]
adhesives JUBIZOL ADHESIVE MORTAR, JUBIZOL STRONG FIX, JUBIZOL ADHESIVE, JUBIZOL ULTRALIGHT FIX, JUBIZOL UNIWOOL ADHESIVE
Reinforcement JUBIZOL GLASS FIBRE MESH
Base coats JUBIZOL ADHESIVE MORTAR, JUBIZOL STRONG FIX, JUBIZOL ULTRALIGHT FIX, JUBIZOL UNIWOOL ADHESIVE
Key coats JUBIZOL Unigrund, ACRYL emulsion, Acrycolor, SILICATEprimer, SILICONEprimer
Finishing coat JUBIZOL MINERAL finish T 2.0/2.5, JUBIZOL MINERAL finish S 1.5/2.0/2.5 JUBIZOL SILICATE finish T 2.0/2.5, JUBIZOL SILICATE finish S 1.5/2.0/2.5 JUBIZOL SILICONE finish T 2.0/2.5, JUBIZOL SILICONE finish S 1.5/2.0/2.5 JUBIZOL ACRYL finish T2.0/2.5, JUBIZOL ACRYL finish S1.5/2.0/2.5 JUBIZOL UNIXIL finish S1.0/1.5/2.0/2.5, JUBIZOL UNIXIL Winter finish S 1.5/2.0/2.5, JUBIZOL UNIXIL finish T 2.0/2.5, JUBIZOL NANO finish S 1.5/2.0/2.5, Nivelin D + Façade paints
Façade paints Acrycolor, Revitalcolor AG, Jubosilcolor Silicone, Nanoxilcolor, Revitalcolor Silicone, Jubosilcolor Silicate, Revitalcolor Silicate, Décor Antique



ETICS with supplementary mechanical fixings or ETICS fixed with supplementary adhesive 3
Insulation mineral wool slabs Fibran Geolan BP021 [MW-EN 13162-T7-CS(10)30-TR(10)-WS-WL(P)-MU1-SD20-AW0,95-AF91]
adhesives JUBIZOL ADHESIVE MORTAR, JUBIZOL STRONG FIX
Anchors Leskovec Pritrdilno sidro PSK
Reinforcement JUBIZOL GLASS FIBRE MESH
Base coats JUBIZOL ADHESIVE MORTAR, JUBIZOL STRONG FIX
Key coats JUBIZOL Unigrund, ACRYL emulsion, Acrycolor, SILICATEprimer, SILICONEprimer
Finishing coat JUBIZOL MINERAL finish T 2.0/2.5, JUBIZOL MINERAL finish S 1.5/2.0/2.5 JUBIZOL SILICATE finish T 2.0/2.5, JUBIZOL SILICATE finish S 1.5/2.0/2.5 JUBIZOL SILICONE finish T 2.0/2.5, JUBIZOL SILICONE finish S 1.5/2.0/2.5 JUBIZOL ACRYL finish T2.0/2.5, JUBIZOL ACRYL finish S1.5/2.0/2.5 JUBIZOL UNIXIL finish S1.0/1.5/2.0/2.5, JUBIZOL UNIXIL Winter finish S 1.5/2.0/2.5, JUBIZOL UNIXIL finish T 2.0/2.5, JUBIZOL NANO finish S 1.5/2.0/2.5.
Façade paints Acrycolor, Revitalcolor AG, Jubosilcolor Silicone, Nanoxilcolor, Revitalcolor Silicone, Jubosilcolor Silicate, Revitalcolor Silicate, Décor Antique
ETICS with supplementary mechanical fixings or ETICS fixed with supplementary adhesive 4
Insulation Mineral wool slabs Rockwool Frontrock MAX E [MW-EN 13162-T5-DS(T+)-DS(TH)-CS(10)20-TR(10)-PL(5)250-WS-WL(P) MU1],
adhesives JUBIZOL ADHESIVE MORTAR, JUBIZOL STRONG FIX, JUBIZOL ULTRALIGHT FIX, JUBIZOL UNIWOOL ADHESIVE
Anchors EJOT H3, STR-U, Leskovec Pritrdilno sidro PSK
Reinforcement JUBIZOL GLASS FIBRE MESH
Base coats JUBIZOL ADHESIVE MORTAR, JUBIZOL STRONG FIX, JUBIZOL ULTRALIGHT FIX, JUBIZOL UNIWOOL ADHESIVE
Key coats JUBIZOL Unigrund, ACRYL emulsion, Acrycolor, SILICATEprimer, SILICONEprimer
Finishing coat JUBIZOL SILICATE finish T 2.0/2.5, JUBIZOL SILICATE finish S 1.5/2.0/2.5 JUBIZOL SILICONE finish T 2.0/2.5, JUBIZOL SILICONE finish S 1.5/2.0/2.5 JUBIZOL UNIXIL finish S1.0/1.5/2.0/2.5, JUBIZOL UNIXIL Winter finish S 1.5/2.0/2.5, JUBIZOL UNIXIL finish T 2.0/2.5.
Façade paints Acrycolor, Revitalcolor AG, Jubosilcolor Silicone, Nanoxilcolor, Revitalcolor Silicone, Jubosilcolor Silicate, Revitalcolor Silicate, Décor Antique

*Note: Described ancillary materials in accordance with § 3.2.2.5 of the ETAG 004 remains under the ETA-holder responsibilities.



Therefore, the assessment and declaration of performance are done taking into account general assumptions introduced in the chapter 7 of ETAG 004 used as EAD, which summarizes how information introduced in the ETA and related documents is intended to be used in the construction process and gives advice to all parties interested when normative documents are missing.

2.4 Packaging, transport and storage

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

2.5 Use, maintenance and repair

The finishing coat shall normally be maintained in order to fully preserve the ETICS performance. Maintenance includes at least:

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

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

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

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

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

The identification tests and the assessment for the intended use of this ETICS according to the Essential Requirements were carried out in compliance with the ETA Guidance n. 004: External Thermal Insulation Composite Systems with Rendering- edition June 2013, used as EAD (called "ETAG 004, used as EAD", in this ETA).

3.1 Mechanical resistance and stability (BWR 1)

Not relevant.

