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European Technical Assessment **ETA 10/ 0231**

04/ 11/ 2022

English translation prepared by IETcc. Original version in Spanish language

General Part

Technical Assessment Body issuing the European Technical Assessment
Instituto de Ciencias de la Construcción Eduardo Torroja (IETCC)

Trade name of the construction product

TERMOKOMPOS

Product family to which the construction product belongs

External Thermal Insulation Composite System with rendering for use on building walls

Manufacturer

I.V.A.S. Industria Vernici S.p.a
Via Bellaria, 40. 47030 San Mauro Pascoli (FC). Italy

Manufacturing plant(s)

Via Bellaria, 40. 47030 San Mauro Pascoli (FC). Italy

This European Technical Assessment contains

10 pages including 2 Annex which form an integral part of this assessment.

Annex 3 contains confidential information and is not included in the European Technical Assessment when that assessment is publicly disseminated

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

040083-00-0404:
External thermal insulation composite systems (ETICS) with renderings

This version replaces

ETA 10/0231 issued on 11/ 01/ 2021

Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and should be identified as such.

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Specific parts

1 Technical description of the product

The External Thermal Insulation Composite System (from now on, referred to as ETICS) “TERMOK8® IVAS” is designed and installed in accordance with the manufacturer, design and installation instructions, deposited at the IETcc⁽¹⁾. It is made up on site from these components. The manufacturer is ultimately responsible for the ETICS.

TERMOK8® IVAS is defined as “bonded system with supplementary mechanical fixings” with is used with EPS panel, and “mechanically fixed ETICS with supplementary adhesive” with is used with MW panel. The minimum number of fasteners per square metres are 6 for EPS and MW. This ETICS comprises the following components, which are factory produced by the manufacturer or a supplier.

Components					Coverage (kg/m ²)	Thickness [mm]
Thermal Insulation + method of fixing	IVAS MINERAL WOOL PANEL and ISOVER CLIMA 34. Board of Mineral wool (MW) (EN 13162) Fastener fixed (minimum 6 fasteners/m ²). with supplementary adhesive.				2,4 - 15	40 - 200
	IVAS PANEL EPS (white, grey and other colors EPS). <i>Bonded</i> Board of Expanded polystyrene (EPS) (EN 13163) with supplementary mechanical fixings (minimum 6 fasteners/m ²)				0,4 - 3,5	30 - 200
Adhesive	KLEBOCEM. Minimum bonded surface: 40 % over EPS Board and 80 % over MW board (grey or white cement based mortar in powder requiring addition and mixing with 23,0 ± 1,0% water)				2,5 - 3,5 (powder, and per mm layer thickness)	≥ 3,0
	ADEFIX 12. Minimum bonded surface: 40 % over EPS Board and 80 % over MW board (grey or white cement based mortar in powder requiring addition and mixing with 23,0 ± 1,0% water)					
Base coat	KLEBOCEM Same product described above. (Fully applied in two layers on external side of insulation boards, with glass ARMATEX C1, o ARMATEX C1-M o ARMTECX C1 “R” embedded in between)				2,5 - 3,5 (powder, and per mm layer thickness)	4,0 - 5,0
	ADEFIX 12. Same product described above. (Fully applied in two layers on external side of insulation boards, with glass ARMATEX C1, o ARMATEX C1-M o ARMTECX C1 “R” embedded in between)					
Glass fibre mesh	ARMATEX C1. Standard glass fibre alkali resistant mesh				0,14-0,18	0,5
	ARMATEX C1-M. Standard glass fibre alkali resistant mesh				0,21-0,24	0,65
	ARMTECX C1 “R”. Reinforced glass fibre alkali resistant mesh				0,34-0,36	0,9
	Other different mesh can be used in this ETICS, if they have the CE marking according to EAD 040016-00-0404 and the following characteristics					
	Characteristics					Values (Standard / reinforcement)
	Mesh size (mm)					3 - 6 / 7 - 10
	Elongación after ageing (%) after ageing					≥ 2 / ≥ 3,5
	Mass per unit area (g/m ²)					≥ 140 / ≥ 340
	Thickness					≤ 2
	Organic content					≤ 20 %
After ageing (alkali conditioning), the mean value of residual strength of the standard mesh (see EAD 1.3.8.1) in the weft and warp direction shall be at least: 50 % of the strength in the as-delivered state and ≥ 20 N/mm.						
After ageing, the mean value of the reinforced mesh (see EAD.1.3.8.1) in the weft and warp direction shall be at least: 40 % of the strength in the as-delivered state and ≥ 20 N/m						
Finishing coat	RIVATONE PLUS G12				1,5 - 2,5	1,2 ± 0,1
	RIVATONE PLUS G15				2,5 - 3,5	1,5 ± 0,1
	RIVATONE IDROSILICONICO PLUS G12				1,5 - 2,5	1,2 ± 0,1
	RIVATONE IDROSILICONICO PLUS G15				2,5 - 3,5	1,5 ± 0,1
	RIVATONE PLUS TRIV G12				1,5 - 2,0	1,0 ± 0,1
	RIVATONE PLUS TRIV G15				1,5 - 2,5	1,2 ± 0,1
	RIVATONE PLUS TRIV G15				2,5 - 3,5	1,5 ± 0,1
	INTONACRILINO IDROSILICONICO				1,5 - 2,0	0,8 ± 0,1
	METROTEX				1,0 - 1,5	0,6 ± 0,1
	FACTOR EXT				1,0 - 1,5	0,6 ± 0,1
FACTOR EXT SOUL CEMENT EXT				1,0 - 1,5 + 0,6 - 0,7	0,6 ± 0,1 0,3 ± 0,1	
Fasteners	Anchors with sleeve made of plastic and expansion nail made of either plastic or metal, for insulation material with different lengths in relation with thickness of insulation board:					Remain under the manufacturer responsibility
	Fasteners	ETA n.º	Diameter Plate (mm)	Stiffness (kN/mm²)	Minimum tension load (N)*	
	TASSELLO H1	11/0192	60	0,6	150	
	TASSELLO H2	15/0740	60	0,9	150	
	TASSELLO H3	14/0130	60	0,6	160	
	TASSELLO CT 2G	04/0023	60	0,6	200	
*These values show the minimum pull out of the fastener in the weakest support (enclosed in its ETA). Other higher values appear in their ETAs.						
Other fasteners can be used with CE marking (EAD 330196-00-0604, they have to have a plate dimension ≥ 60 mm diameter and Stiffness ≥ 0,6 kN/mm.						
An additional washer of 90 mm with CE marking can be used.						
Ancillary elements	Aluminium and PVC profiles: base, corners, top and window sills, expansion joint and its fixing devices					

⁽¹⁾ The technical documentation of this European Technical Assessment is deposited at the *Instituto de Ciencias de la Construcción Eduardo Torroja* (IETcc) and, as far as relevant for the tasks of the notified bodies involved in the attestation of conformity procedure, is handed over to the notified bodies.

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

2.1 Intended use(s)

This ETICS is intended to be used as external thermal insulation for building walls. The walls are made of masonry (bricks, blocks...) or concrete (cast on site or as prefabricated panels) with a reaction to fire classification A1 to A2-s2,d0 according to EN 13501-1 or A1 according to the EC decision 96/603/EC as amended. The ETICS is designed to give the wall to which is applied satisfactory thermal insulation.

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

This ETICS can be used on new or existing (retrofit) vertical walls. It can also be used on horizontal or inclined surfaces which are not exposed to precipitation. The ETICS is not intended to ensure the airtightness of the building structure.

This ETA covers application of ETICS on supports of masonry or concrete.

2.2 Relevant general conditions for the use of the kit

The provisions made in this European Technical Assessment are based on an assumed working life of 25 years from installation in the works, according to EAD 040083-00-0404, provided that the conditions lay down for the installation, packaging, transport and storage as well as appropriate use, maintenance and repair are met. In this respect.

The indications given on the working life cannot be interpreted as a guarantee given neither by the product manufacturer nor by EOTA nor by the Technical Assessment Body issuing this ETA, but are regarded only as a means for choosing the right product in relation to the expected economically reasonable working life of the works.

Installation. The ETICS is installed on site. It is the responsibility of the manufacturer to guarantee that the information about design and installation of this ETICS is effectively communicated to the concerned people. This information can be given using reproductions of the respective parts of this ETA. Besides, all the data concerning the execution shall be clearly indicated on the packaging and/or the enclosed instruction sheets using one or several illustrations.

The wall on which the ETICS is applied shall be sufficiently stable and airtight. Its stiffness shall be large enough to ensure that ETICS is not subjected to deformations, which could lead to damage.

Design. In any case, the use shall comply with the national regulations and particularly concerning fires and wind load resistance. Only the components described in clause 1 with characteristics according to clause 3 of this ETA can be used for this ETICS.

The works including the details (connection, joint,..) shall be designed in order to avoid water penetration behind the system. The minimal surface area for the bonded ETICS, and the method of bonding shall comply with the characteristics of the ETICS as well as the national regulations. In any case, the minimal surface shall be at least 40 % for EPS and 80 % for MW. Besides, the numbers of fasteners used with MW must comply with the National requirements⁽²⁾.

Execution. The recognition and preparation of the substrate as well as the generalities about the execution of the ETICS shall be carried out in compliance with the manufacturer prescriptions and the corresponding national regulations.

The particularities in execution linked to the method of bonding and the application of the rendering system shall be handled in accordance with manufacturer prescriptions. In particular, it is suitable to comply with the quantities of rendering applied, the thickness regularity and the drying periods between layers.

⁽²⁾ The value of the pull through to calculate the numbers of fasteners will be the minor value between the average value of pull through fastener-MW (defined in this ETA) and the average value pull out of the fastener-support (defined in its ETA).

Use, maintenance and repair of the works. It is accepted that the finishing coats shall normally be maintained in order to fully preserve the system's performance. Maintenance will include at least:

- The repairing of localised damaged areas due to accidents
- The application of various products or paints, possibly after washing or ad hoc preparation.

Necessary repairs should be done rapidly. It is important to be able to carry out maintenance as far as possible using readily available products and equipment, without spoiling appearance.

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 Basic Work Requirements (BWR) were carried out in compliance with EAD 040083-00-0404, The characteristics of each system shall correspond to the respective values laid down in following tables of this ETA, checked by IETcc.

Methods of verification and of assessing and judging are listed afterwards.

3.1 Safety in case of fire (BWR 2)

Basic requirement for construction works 2: Safety in case of fire		
Essential characteristic	Relevant clause in EAD	Performance
Reaction to fire of ETICS		
System composition		
Adhesive + Insulation + Base coat	Finishing coat	Euroclass
<i>KLEBOCEM</i> + MW (thickness 160 mm) + <i>KLEBOCEM</i>	Any	
<i>KLEBOCEM</i> + EPS (thickness 200 mm) + <i>KLEBOCEM</i>	Any	
<i>ADEFIX 12</i> + MW (thickness 160 mm) + <i>ADEFIX 12</i>	Any	
<i>ADEFIX 12</i> + EPS (thickness 200 mm) + <i>ADEFIX 12</i>	Any	
Reaction to fire of thermal insulation material	2.2.1.2	EPS : E MW : A1 / QPCS:0,9 MJ/kg
Facade fire performance	2.2.2	NPA
Propensity to undergo continuous smouldering of ETICS	2.2.3	NPA

3.2 Hygiene, health and environment (BWR 3)

Basic requirement for construction works 3: Hygiene, health, and the environment				
Essential characteristic	Relevant clause in EAD	Performance		
Content, emission and/or release of dangerous substances. Leachable substances	2.2.4	NPA. The leachable substances are not determined in accordance with this EAD		
Water absorption of the base coat and rendering system (kg/m ²)	2.2.5.1	Rendering		
		KLEBOCEM without rendering	After 1h	After 24h
		ADEFIX 12 without rendering	0,05	0,48
		RIVATONE PLUS G12	0,2	0,49
		RIVATONE PLUS G15	0,05	0,23
		RIVATONE IDROSILICONICO PLUS G 10-12	0,04	0,24
		RIVATONE IDROSILICONICO PLUS G15	0,06	0,25
		RIVATONE PLUS TRV G10	0,06	0,25
		RIVATONE PLUS TRV G12	0,08	0,3
		RIVATONE PLUS TRV G15	0,08	0,3
		INTONACHINO IDROSILICONICO	0,05	0,24
		PLATOTEX (METRO TEX)	0,02	0,1
		METROPOLIS FACTOR EXT	0,02	0,1
SOUL CEMENT EXT	0,02	0,1		

Basic requirement for construction works 3: Hygiene, health, and the environment

Essential characteristic	Relevant clause in EAD	Performance			
Water absorption of the thermal insulation	2.2.5. 2	IVAS PANEL EPS : EN 1609: $\leq 1 \text{ kg/m}^2$ IVAS MINERAL WOOL PANEL and ISOVER CLIMA 34: EN 1609: $\leq 1 \text{ kg/m}^2$			
Water-tightness of the ETICS Hygrothermal behaviour	2.2.6	The ETICS is assessed resistant to hygrothermal cycles on a rig, passed the test without defects and without pass through of water			
Water tightness of the ETICS: Freeze-thaw behaviour	2.2.7	The water absorption of the base coat and of rendering system is less than 0.5 kg/m^2 after 24 hours and so the system can be assessed as freeze/thaw resistant without any further testing.			
Impact resistance (Category, diameter)	2.2.8	Rendering	Category	ARMATEX C1	ARMATEX C1 "R"
		MW / EPS + KEBLOCEM +		cm	
		RIVATONE PLUS G12	I	3J: 2.0 10J: 3.0	3J: 2.0 10J: 3.0
		RIVATONE PLUS G15			
		RIVATONE IDROSILICONICO PLUS G 12			
		RIVATONE IDROSILICONICO PLUS G15			
		RIVATONE PLUS TRV G10			
		RIVATONE PLUS TRV G12			
		RIVATONE PLUS TRV G15			
		INTONACHINO IDROSILICONICO			
		METRO TEX			
		FACTOR EXT			
		FACTOR EXT + SOUL CEMENT EXT			
		MW / EPS + ADEFIX 12 +		cm	
		RIVATONE PLUS G12	I	3J: 2.0 10J: 3.0	3J: 2.0 10J: 3.0
		RIVATONE PLUS G15			
		RIVATONE IDROSILICONICO PLUS G12			
		RIVATONE IDROSILICONICO PLUS G15			
		RIVATONE PLUS TRV G10			
		RIVATONE PLUS TRV G12			
		RIVATONE PLUS TRV G15			
		INTONACHINO IDROSILICONICO			
		METRO TEX			
		FACTOR EXT			
FACTOR EXT + SOUL CEMENT EXT					
Water vapour permeability of the rendering system (S_d , m)	2.2.9.1	Base coat + finishing coat	KEBLOCEM	ADEFIX 12	Required
		Without finishing coat	0,1	0,1	< 1
		RIVATONE PLUS G12	0,4	---	
		RIVATONE PLUS G15	0,4	0,4	
		RIVATONE IDROSILICONICO PLUS G12	0,2	---	
		RIVATONE IDROSILICONICO PLUS G15	0,2	0,4	
		RIVATONE PLUS TRV G10	0,8	----	
		RIVATONE PLUS TRV G12	0,8	----	
		RIVATONE PLUS TRV G15	0,8	0,25	
		INTONACHINO IDROSILICONICO	----	0,25	
		METRO TEX	0,7	0,6	
		FACTOR EXT	0,9	0,9	
		FACTOR EXT + SOUL CEMENT EXT	0,9	0,8	
Water vapour permeability of the thermal insulation	2.2.9.2	IVAS PANEL EPS : EN 12086: $\mu = 40$			
		IVAS MINERAL WOOL PANEL and ISOVER CLIMA 34: EN 12086: $\mu = 1$			

3.3 Safety and accessibility in use (BWR 4)

Basic requirement for construction works 4: Safety and accessibility in use									
Essential characteristic	Relevant clause in EAD	Performance							
		Thermal insulation	Initial state	After hydrothermal cycles (rigs)	After free/thaw cycles samples)				
Bond strength between base coat and insulation product.(minimum / mean value)(kPa)	2.2.11.1	EPS	90 / 100 ≥ 80	90 / 100 ≥ 80	90 / 100 ≥ 80				
		MW	7 / 10	7 / 10	7 / 10				
Bond strength between adhesive and substrate (minimum /mean value) (kPa)	2.2.11.2	<i>Base Coat</i>	Initial state	Immersion 48 h and 2 h drying	Immersion 48 h and 7 d drying				
		KEBLOCEM	600 / 800 ≥ 250	400 / 500 ≥ 80	1000 / 1100 ≥ 250				
Bond strength between adhesive and insulation (minimum /mean value) (kPa)	2.2.11.3	EPS:	90 / 120 ≥ 80	90 / 120 ≥ 030	90 / 120 ≥ 80				
		MW	8/ 10	7 / 10	7 / 10				
Fixing strength (transverse displacement test)	2.2.12	The test is not required since mechanically fixed EPS with supplementary adhesive, where the bonded area exceeds 20 %.							
Pull-through of the fasteners. (minimum / mean value) (kN/fastener)	2.2.13.1	In the middle ISOVER CLIMA 34 (6 cm thickness) With additional 90 mm washer		In the middle SMARTWALL S C1 (6 cm thickness) Without additional 90 mm washer					
		Dry condition 0,2 / 0,3	Wet condition 0,15 / 0,2	Dry condition 0,5 / 0,6	Wet condition 0,4 / 0,5				
Tensile perpendicular to the faces of thermal insulation	2.2.14.1	IVAS PANEL EPS : EN 1607: TR = 7,5 kPa IVAS MINERAL WOOL PANEL and ISOVER CLIMA 34: EN 1607: TR = 7.5 kPa							
Shear strength / shear modulus of elasticity th.Insulation	2.2.15	IVAS PANEL EPS: EN 12000: Shear strength (kPa): 20; Shear modulus (N/mm²):1							
Rendering strip tensile test: base coat	2.2.17	KLEBOCEM. Warp: nº fibres: 9, width (mm): 0,12 Walf: nº fibres:9, width (mm): 0,15			ADEFIX 12: NPA				
Bond strength after ageing (minimum / mean value) (kPa)	2.2.20	Rendering		MW	EPS				
		MW / EPS + KEBLOCEM +		6 / 10	80 / 80				
		RIVATONE PLUS G12							
		RIVATONE PLUS G15							
		RIVATONE IDROSILICONICO PLUS G 12							
		RIVATONE IDROSILICONICO PLUS G15							
		RIVATONE PLUS TRV G10							
		RIVATONE PLUS TRV G12							
		RIVATONE PLUS TRV G15							
		PLATOTEX (METRO TEX)							
		METROPOLIS FACTOR EXT							
		SOUL CEMENT EXT							
		MW / EPS + ADEFIX 12 +		8 / 10	80 / 100				
		RIVATONE PLUS G12							
		RIVATONE PLUS G15							
RIVATONE IDROSILICONICO PLUS G 12									
RIVATONE IDROSILICONICO PLUS G15									
RIVATONE PLUS TRV G10									
RIVATONE PLUS TRV G12									
RIVATONE PLUS TRV G15									
INTONACHINO IDROSILICONICO									
METRO TEX									
FACTOR EXT									
FACTOR EXT + SOUL CEMENT EXT									
Mechanical and physical characteristics of the mesh	2.2.21	Status		ARMATEX C1 (Warp/ Weft)	ARMATEX M (Warp/ Weft)	ARMTEX C1 R (Warp/ Weft)			
		Initial - After ageing (N/ mm)		43 / 43	26 / 26	50 / 64	48 / 39	75 / 75	45 / 45
		Deference (%)		≤ 50			≤ 40		
		Elongation after ageing (%)		≤ 3		≤ 2		≤ 3,5	

3.4 Energy economy and heat retention (BWR 6)

Basic requirement for construction works 6: Energy economy and heat retention		
Essential characteristic	Relevant clause in EAD	Performance
Thermal resistance thermal transmittance	2.2.23.1	IVAS PANEL EPS $\lambda_D = 0,035$ W/mK
		IVAS MINERAL WOOL PANEL and ISOVER CLIMA 34: $\lambda_D = 0,034$ W/mK

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

According to the decision 97/556/EC of the European Commission⁽³⁾ amended by 2001/596/EC⁽⁴⁾, a system 2+ of assessment and verification of constancy of performance (see EC delegated regulation (EU) No 568/2014 amending Annex V to Regulation (EU) N° 305/2011) applies.

Product	Intended uses	Level or classes	System
TERMOK8® IVAS	External Thermal Insulation Composite System with rendering for use on building walls	Any	2+

This system of attestation of conformity +2 is defined as follows:

Tasks for the manufacturer: Initial type-testing of the product, Factory production control and Testing of samples taken at the factory in accordance with a prescribed test plan.

Tasks for the notified body: Certification of factory production control on the basis of:

- Initial inspection of factory and of factory production control.
- Continuous surveillance (annual), assessment and assessment of factory production control.

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 which is deposited at IETcc⁽⁵⁾.

5.1 Tasks of the manufacturer

Factory production control. The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall ensure that the product is in conformity with this ETA.

The manufacturer may only use components stated in the technical documentation of this ETA including Control Plan. The incoming raw materials are subjected to verifications by the manufacturer before acceptance.

The factory production control shall be in accordance with the Control Plan. The results of factory production control shall be recorded and evaluated in accordance with the provisions of the Control Plan.

For the components of the ETICS, which the manufacturer does not manufacture by himself, he shall make sure that factory production control carried out by the other manufacturers gives the guarantee of the components compliance with the ETA.

⁽³⁾ Official Journal of the European Communities L229/14 of 20.08.1997

⁽⁴⁾ Official Journal of the European Communities L209/33 of 02.08.2001

⁽⁵⁾ The Control Plan is a confidential part of the ETA and only handed over to the notified certification body involved in the assessment and verification of constancy of performance.

Initial type-testing of the product. The initial type-testing have been conducted by the IETcc to issued this ETA in accordance with the EAD 040083-00-0404 “External thermal insulation composite systems (ETICS) with renderings”. The verifications underlying this ETA have been furnished on samples from the current production.

Other tasks of the manufacturer. The manufacturer shall, on the basis of a contract, involve a body which is notified for the tasks referred to in section 4 in order to undertake the actions laid down in this clause. For this purpose, the control plan shall be handed over by the manufacturer to the notified bodies involved.

The manufacturer shall make a declaration of conformity, stating that the construction product is in conformity with the provisions of this ETA.

5.2 Tasks of notified bodies.

Initial inspection of factory and of factory production control. The Notified Body shall ascertain that, in accordance with the Control Plan, the factory (in particular the employees and the equipment) and the factory production control are suitable to ensure continuous and orderly manufacturing of the components according to the specifications mentioned in clause 2 of this ETA.

Continuous surveillance, assessment and assessment of factory production control, in accordance with the provisions laid down in the control plan, at least one per year.

The notified body shall retain the essential points of its actions referred to above and state the results obtained and conclusions drawn in a written report. The notified certification body involved by the manufacturer shall issue an EC Certificate of factory production control stating the conformity of the provisions of this ETA.

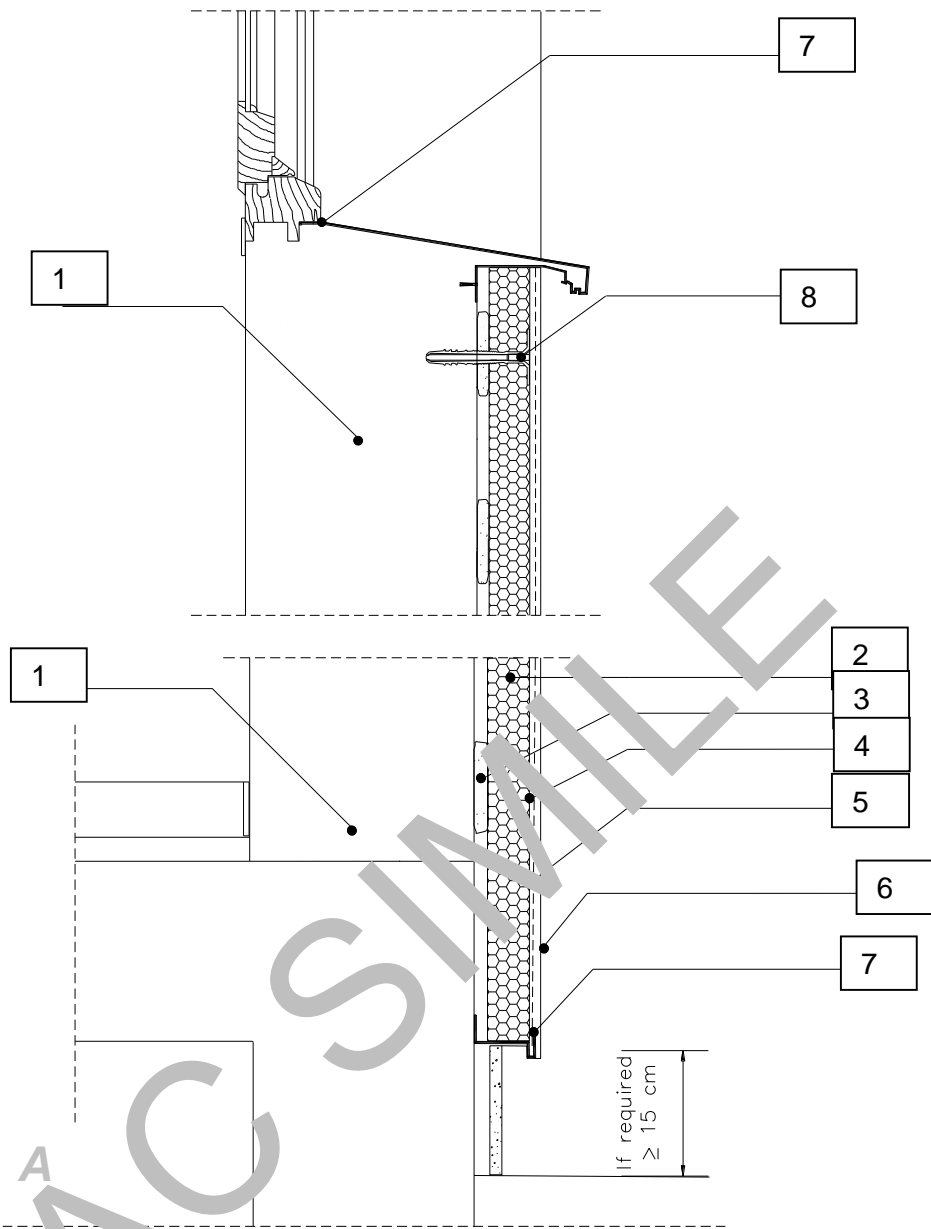
In cases where the provisions of the ETA and its control plan are no longer fulfilled the notified certification body shall withdraw the certificate of conformity and inform to IETcc without delay.

Issued in Madrid on 4 November 2022

By

Director

on behalf of Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc – CSIC)

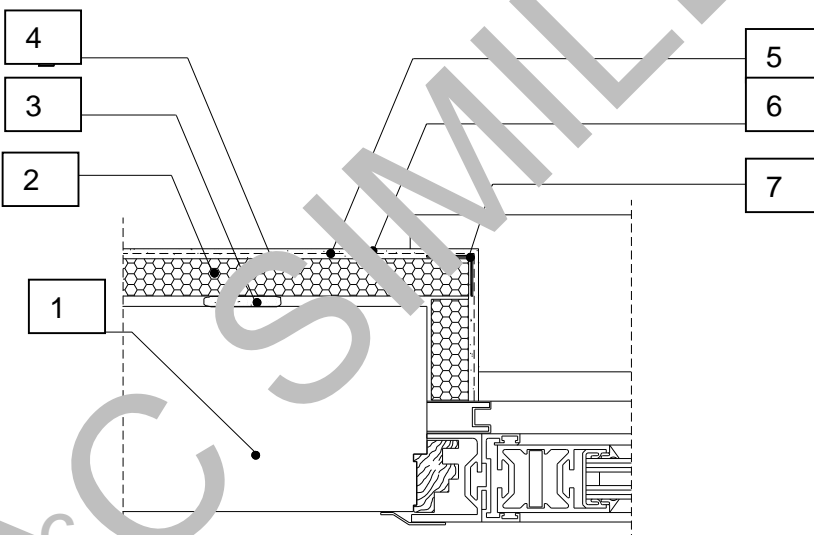
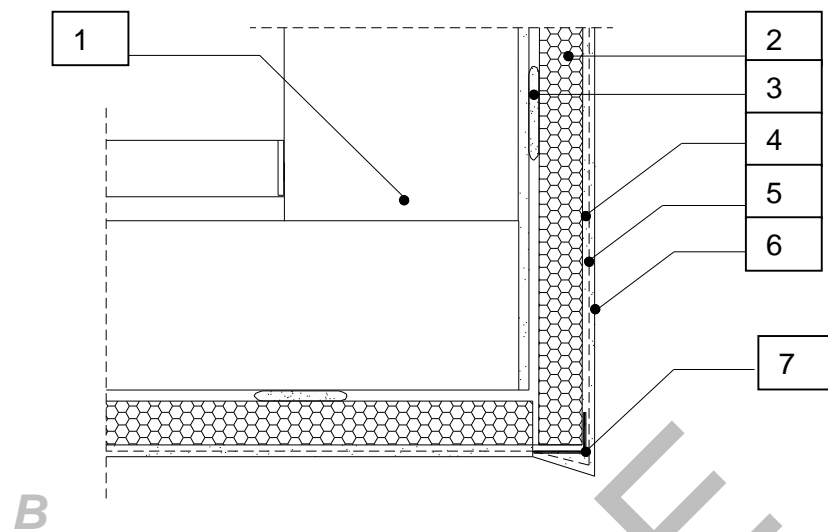


- 1. Substrate
- 2. Insulation board MW / EPS
- 3. Adhesive "KLEBOCEM/ ADEFIX 12"
- 4. Base coat "KLEBOCEM/ ADEFIX 12" (first and second layer)
- 5. Glass fibre standard or reinforced mesh
- 6. Finishing coat
- 7. Aluminum corner profile
- 8. Supplementary fixing

External thermal insulation composite system TERMOK8® IVAS

DETAIL A: VERTICAL SECTION OF BASE AND APERTURE (WINDOW)

Annex 1
of European
Technical Assessment
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- 1. Substrate
- 2. Insulation board MW /EPS
- 3. Adhesive "KLEBOCEM / ADEFIX 12"
- 4. Base coat "KLEBOCEM / ADEFIX 12" (first and second layer)
- 5. Glass fibre standard or reinforced mesh
- 6. Finishing coat
- 7. Aluminum/PVC corner profile

External thermal insulation composite system TERMOK8® IVAS

Annex 2
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DETAIL B: VERTICAL SECTION OF APERTURE (WINDOW)
DETAIL C: HORIZONTAL SECTION OF APERTURE (WINDOW)