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European Technical Assessment

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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	**SATE GLOBAL EFFYTERMIC**
Product family to which the construction product belongs	External Thermal Insulation Composite System with rendering for use on building walls
Manufacturer	**SEGOPI CENTRO, S.L.** Pl. La Capellina n.º 6 CP. 28411 Moralzarzal. Madrid. Spain
Manufacturing plant(s)	Plant 1
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	EAD 040083-00-0404: External thermal insulation composite systems (ETICS) with renderings

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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) "SATE GLOBAL EFFYTERMIC "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.

SATE GLOBAL EFFYTERMIC is defined as "bonded system with supplementary mechanical fixings" with is used with EPS-XPS 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, XPS and MW and 8 fasteners for building higher than 24 m. This ETICS comprises the following components, which are factory produced by the manufacturer or a supplier.

Components			Coverage ([kg/m²)	Thickness [mm]
Thermal Insulation + method of fixing	**PLACAS EPS-MT:** Bonded Board of Expanded polystyrene (EPS) (EN 13163) with supplementary mechanical fixings (minimum 6 fasteners/m²))		0.15 – 6.0	10 - 300
	PLACAS XPS-MT: Bonded Board of Extruded polystyrene (XPS) (EN 13164) with supplementary mechanical fixings (minimum 6 fasteners/m²))		1,0 - 7,0	30 - 200
	PLACAS MW-MT: Mechanically fixed Mineral wool (MW) (EN 13162) with supplementary adhesive (minimum 6 fasteners/m²)		3,0- 20,0	40 - 160
Adhesive	***GOPIMOR:*** Minimum bonded surface: 40 % for EPS and 80 % on MW. (cement based mortar in powder requiring addition and mixing with 22 ± 1,0 % water.		1,5 - 2 (per mm thickness)	≥ 3,0
	GOPIMOR MEX. Minimum bonded surface: 40 % for EPS/XPS and 80 % for MW. Cement based mortar in powder requiring addition and mixing with 21,0 ± 2 % water			
	GOPIMOR GEX. Minimum bonded surface: 40 % for EPS and XPS (cement-based mortar in powder requiring addition and mixing with 18,0 ± 1,0% water.			
Base coat	**GOPIMOR EM *+ MALLA FIBRA-THERM MT 160 (or double)***		1,5 - 2 (per mm thickness)	3 - 5
	GOPIMOR MEX *+ MALLA FIBRA-THERM MT 160 (or double)*			
	GOPIMOR GEX *+ MALLA FIBRA-THERM MT 160 (or double)*			
Glass fibre mesh	***MALLA FIBRA-THERM MT 160.*** Glass fibre mesh resistant to the alkalis		0,16	0,52
	Other different mesh can be used in this ETICS as substitute for *MALLA FIBRA-THERM MT 160*, if they have the CE marking according to EAD 040016-00-0404 and the following characteristics			
	Characteristics	**Values**		
	Mesh size (mm)	(3,5 x 3,8) ± 0,5		
	Elongation after ageing (%)	≤ 3,8		
	Mass per unit area (g/m²)	≥ 160		
	Thickness (mm)	0,52 ± 0,2		
	Organic content	17.6 ± 0.4		
	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.			
Primer coat	***SEGOCRYL REVESTIMIENTO ACRÍLICO LISO EXTRA***. For the finishing coat SEGOCRYL MORTERO ACRÍLICO and SEGOCRYL MORTERO SILOXÁNICO Organic binder water based paint requiring addition of 10-15,0 % weight in water		7- 9 m²/l	----
Finishing coat	***SEGOCRYL MORTERO ACRÍLICO.*** *Acrylic binder based ready to use paste with 4 different size grading particles*	*SEGOCRYL MORTERO ACRÍLICO 0.5 mm SEGOCRYL MORTERO ACRÍLICO 1.0 mm SEGOCRYL MORTERO ACRÍLICO 1.2 mm SEGOCRYL MORTERO ACRÍLICO 1.5 mm SEGOCRYL MORTERO ACRÍLICO 1.8 mm EGOCRYL MORTERO ACRÍLICO 2 mm/ SEGOCRYL MORTERO ACRÍLICO 2.5 mm*	2 - 3	1 - 3
	SEGOCRYL MORTERO SILOXÁNICO. *Acrylic – siloxane binders based ready to use and preserving pasta fungicide. With 3 different size grading particles (0.5, 1.0, 1.2, 1.5 and 2)*	*SEGOCRYL MORTERO SILOXÁNICO 0.5 mm SEGOCRYL MORTERO SILOXÁNICO 1.0 mm SEGOCRYL MORTERO SILOXÁNICO 1.2 mm SEGOCRYL MORTERO SILOXÁNICO 1.5 mm SEGOCRYL MORTERO SILOXÁNICO 2 mm*	2 - 3	1-2.2
	SEGOCRYL REVESTIMIENTO ACRÍLICO LISO EXTRA. *(*applied in two layers*). Acrylic binders based:*	First layer: 10-15 % dilution with water Second and successive layer: 10-15 % dilution with water	3.5 -5 m²/l	≤ 0.2
	SEGOCRYL RVTO. ELÁSTICO 500 (LISO ELÁSTICO) *(*applied in two layers*). Acrylic elastomeric binders based*	First layer: 10-15 % dilution with water Second and successive layer: 5 % dilution with water	3-4 m²/l	0.25 -0.5

(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.

Fasteners	Plastic anchors (expansion element and sleeve) 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/mm)	**Minimum tension load (**N)*	
	SATE GLOBAL EFFYTERMIC Fijación.	16 / 0519	60	0,5	400	
	*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 ≥ 0,5 kN/mm.					
Ancillary elements	Aluminium and PVC profiles: base, corners, top and window sills, expansion joint and its fixing devices					

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 user 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/XPS and 80 % for MW. Besides, the numbers of fasteners used with MW must comply with the National requirements(2).

(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).

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.

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	2.2.1.1	NPA
Reaction to fire of thermal insulation material	2.2.1.2	EPS: E XPS: E MW : A1
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)

<table>
<tr><th colspan="5">Basic requirement for construction works 3: Hygiene, health, and the environment</th></tr>
<tr><th>Essential characteristic</th><th>Relevant clause in EAD</th><th colspan="3">Performance</th></tr>
<tr><td>Content, emission and/or release of dangerous substances. Leachable substances</td><td>2.2.4</td><td colspan="3">The content of semi-volatile organic compounds (SVOC) and volatile organic compounds (VOCs) have not been determined according to the EAD</td></tr>
<tr><td rowspan="8">Water absorption of the base coat and rendering system (kg/m^2)</td><td rowspan="8">2.2.5.1</td><td>Rendering</td><td>After 1h</td><td>After 24h</td></tr>
<tr><td>GOPIMOR EM</td><td>0.1</td><td>0.45</td></tr>
<tr><td>GOPIMOR MEX</td><td>0.1</td><td>0.45</td></tr>
<tr><td>GOPIMOR GEX</td><td>0.2</td><td>0.4</td></tr>
<tr><td>SEGOCRYL MORTERO ACRÍLICO</td><td>0.02</td><td>0.1</td></tr>
<tr><td>SEGOCRYL MORTERO SILOXÁNICO</td><td>0.02</td><td>0,2</td></tr>
<tr><td>SEGOCRYL REVESTIMIENTO ACRÍLICO LISO EXTRA</td><td>0,04</td><td>0,4</td></tr>
<tr><td>SEGOCRYL RVTO. ELÁSTICO 500</td><td>0.01</td><td>0,1</td></tr>
<tr><td rowspan="3">Water absorption of the thermal insulation</td><td rowspan="3">2.2.5. 2</td><td colspan="3">PLACAS EPS-MT: EN ISO 29767: ≤ 1 kg/m^2</td></tr>
<tr><td colspan="3">PLACAS XPS-MT: EN ISO 29767: ≤ 1 kg/m^2</td></tr>
<tr><td colspan="3">PLACAS MW-MT: EN ISO 29767 ≤ 1 kg/m^2</td></tr>
<tr><td>Water-tightness of the ETICS Hygrothermal behaviour</td><td>2.2.6</td><td colspan="3">The ETICS is assessed resistant to hydrothermal cycles on a rig, passed the test without defects and without pass through of water</td></tr>
</table>

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)	2.2.8	Rendering / Samples	160			Double 160		
		PLACAS EPS – XPS - MW + MALLA FIBRA-THERM MT 160	EPS	XPS	MW	EPS	XPS	MW
		GOPIMOR EM / MEX /GEX	-----			-----		
		GOPIMOR EM + SEGOCRYL MORTERO ACRÍLICO	III	---	II	I	---	I
		GOPIMOR MEX + SEGOCRYL MORTERO ACRÍLICO	III	III	II	I	III	I
		GOPIMOR GEX + SEGOCRYL MORTERO ACRÍLICO	III	III	---	I	III	---
		GOPIMOR EM + SEGOCRYL MORTERO SILOXÁNICO	III	---	I	III	---	I
		GOPIMOR MEX + SEGOCRYL MORTERO SILOXÁNICO	III	III	I	I	III	I
		GOPIMOR GEX + SEGOCRYL MORTERO SILOXÁNICO	III	III	---	I	III	---
		GOPIMOR EM + LISO EXTRA	III	---	II	I	---	I
		GOPIMOR MEX+LISO EXTRA	III	III	I	I	III	I
		GOPIMOR GEX + LISO EXTRA	III	III	---	I	III	---
		GOPIMOR EM + ELÁSTICO RE-500	III	---	II	I	---	I
		GOPIMOR MEX +. ELÁSTICO RE-500	II	III	I	I	II	I
		GOPIMOR GEX + ELÁSTICO RE-500	II	III	---	I	III	---
Water vapour permeability of the rendering system*	2.2.9.1.	Base coat + finishing coat	(S_d, m)			Required		
		SEGOCRYL MORTERO ACRÍLICO	0,25			< 1		
		SEGOCRYL MORTERO SILOXÁNICO	0,3					
		SEGOCRYL REVESTIMIENTO ACRÍLICO LISO EXTRA	0,3					
		SEGOCRYL RVTO. ELÁSTICO 500	0,3					
Water vapour permeability of the thermal insulation	2.2.9.2	PLACAS EPS-MT: EN 12086: μ = 30 -70						
		PLACAS XPS-MT: EN 12086: μ = 80 -250						
		PLACAS MW-MT: EN 12086: μ = 1						

3.3 Safety and accessibility in use (BWR 4)

Basic requirement for construction works 4: Safety and accessibility in use					
Essential characteristic	**Clause EAD**	**Performance**			
Bond strength between base coat and insulation product.(minimum / mean value)(kPa)	2.2.11.1	Thermal insulation	Initial state	After hydrothermal cycles (rigs)	After 7 days' water immersion (on samples)
		EPS	100 / 120	100 / 120	-----
		XPS	220 / 240	220 / 240	----
		MW	7 / 7	7 / 7	
		The breakage location was 100 % on the insulation board EPS/MW and adhesive between insulation and mortar on XPS			
Bond strength between adhesive and substrate (minimum /mean value) (kPa)	2.2.11.2	*Adhesive* MORTERTHER	Initial state ≥ 250	Immersion 48 h and 2 h drying, ≥ 80	Immersion 48 h and 7 d drying, ≥ 250
		EM	1300 /1700	1100 / 1240	800 / 1000
		MEX	1400/ 1670	1350 /1550	1500 /1880
		GEX	1000 / 1100	1000 / 1100	900 / 1000
Bond strength between adhesive and insulation (minimum /mean value) (kPa)	2.2.11.3	Thermal insulation	Initial state	Immersion 48 h 2 h drying	Immersion 48 h 7 d drying
		EPS	90 / 90	90 / 90	90 / 90
		XPS	220 / 260	220 / 260	2415 / 320
		MW	10 / 10	10 / 10	10 / 10
		The breakage location was 100 % on the insulation board EPS/MW and adhesive between insulation and mortar on XPS			
Fixing strength (transverse displacement test)	2.2.12	The test is not required since mechanically fixed ETICS 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 of PANEL MW of 6 cm with TR ≥ 7,5			
		Dry condition (Center)		Dry condition (Center)	
		0.23 / 0.27		0.23 / 0.27	
Tensile perpendicular to the faces of thermal insulation	2.2.14.1	PLACAS EPS-MT: EN 1607, TR ≥ 100 kPa			
		PLACAS XPS-MT: EN 1607, TR ≥ 200 kPa			
		PLACAS MW-MT: EN 1607, TR ≥ 7.5 kPa			

Shear strength / shear modulus of elasticity th.Insulation	2.2.15	PLACAS EPS-MT: EN 12090: Shear strength(kPa): 75; Shear modulus (kPa): 1000			
		PLACAS XPS-MT: EN 12090: Shear strength(kPa): 100; Shear modulus (kPa): 1000			
Rendering strip tensile test: base coat	2.2.17	NPA			
Bond strength after ageing (minimum / mean value) (kPa)	2.2.20	**Rendering**	**EPS**	**XPS***	**MW***
		SEGOCRYL MORTERO ACRÍLICO	100 / 120	220 / 260	10 / 10
		SEGOCRYL MORTERO SILOXÁNICO			
		SEGOCRYL REVESTIMIENTO ACRÍLICO LISO EXTRA			
		SEGOCRYL RVTO. ELÁSTICO 500			
		The breakage location was 100 % on the insulation board EPS/MW and adhesive between insulation and mortar on XPS. * After 7 days' water immersion (on samples)			
Mechanical and physical characteristics of the mesh	2.2.21	Status	Warp	Weft	
		Initial / After ageing (N/ mm)	48 / 33	50 / 38	
		Deference (%)	≤ 50		
		Elongation after ageing (%)	≤ 4		

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	PLACAS EPS-MT λ_D = 0,037 W/mK
		PLACAS XPS-MT λ_D = 0,034 – 0.037 W/mK
		PLACAS MW-MT λ_D = 0,036 W/mK

The additional thermal resistance provided by the ETICS (R_{ETICS}) to the substrate wall is calculated from the thermal resistance of the thermal insulation product ($R_{insulation}$), determined in accordance with 2.2.23.1, and from either the tabulated R render value of the render system (R_{render} is about 0.02 m²K/W) or R_{render} determined by test according to EN 12667 or EN 12664 (depending on expected thermal resistance).

$$R_{ETICS} = R_{insulation} + R_{render}\ [(m^2 \cdot K)/W]$$

as described in EN ISO 10456.

The thermal bridges caused by mechanical fixing devices influence the thermal transmittance of the entire wall and shall be taken into account using the following calculation:

$$U_c = U + \Delta U\ [W/(m^2 \cdot K)]$$

With: U_c corrected thermal transmittance of the entire wall, including thermal bridges
U thermal transmittance of the entire wall, including ETICS, without thermal bridges

$$U = \frac{1}{R_{ETICS} + R_{substrate} + R_{se} + R_{si}}$$

$R_{substrate}$ thermal resistance of the substrate wall [(m²·K)/W]
R_{se} external surface thermal resistance [(m²·K)/W]
R_{si} internal surface thermal resistance [(m²·K)/W]
ΔU correction term of the thermal transmittance for mechanical fixing devices
= χ_p * n (for anchors) + Σψi * ℓi (for profiles) (formula x)
χ_p point thermal transmittance value of the anchor [W/K]. If not specified in ETA for anchors, the following values apply:
= 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 a plastic material or a minimum 15 mm air gap at the head of the screw/nail.
= 0.008 W/K for all other anchors (worst case)
n number of anchors per m². In case n is more than 16, the formula (x) is not applied.
ψi linear thermal transmittance value of the profile [W/(m·K)]
ℓi length of the profile per m².

The influence of thermal bridges can also be calculated as described in EN ISO 10211.
It shall be calculated according to this standard if there are more than 16 anchors per m² foreseen. The declared χ_p -values do not apply in this case.

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 amended by 2001/596/EC, 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) Nº 305/2011) applies.

Product	Intended uses	Level or Classes	System
SATE GLOBAL EFFYTERMIC	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[(3)].

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.

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.

[(3)] 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.

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.

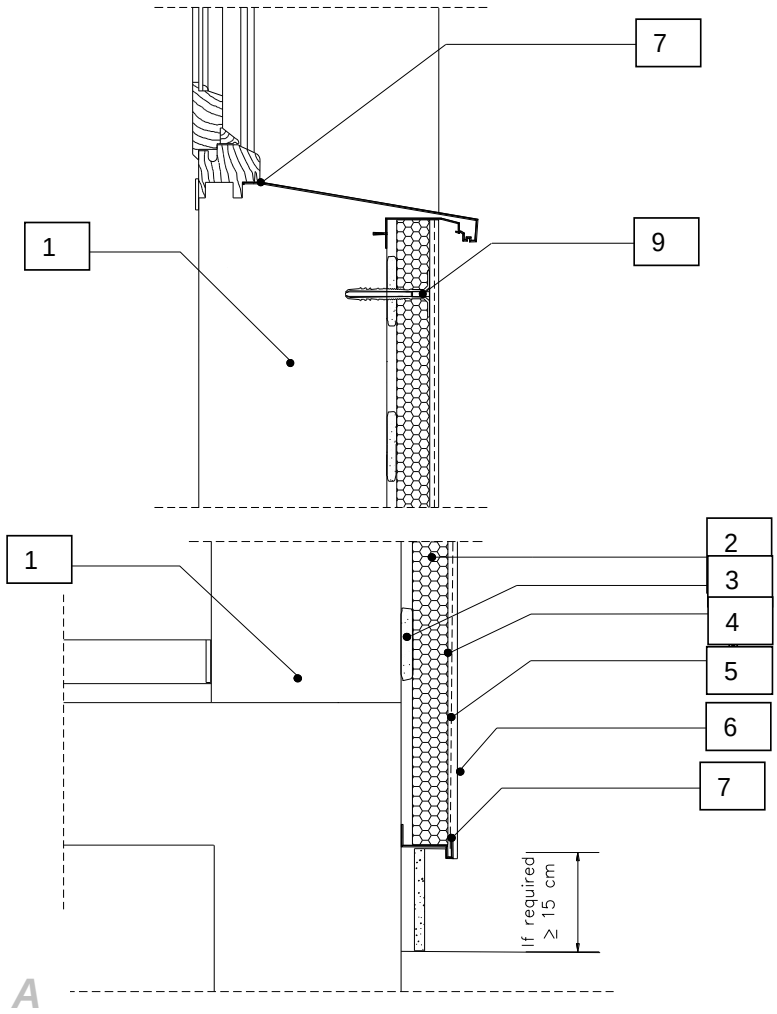
The notified body shall retain the essential points of its actions referred to above and state the results obtained and conclusions drawn in a written report. The notified certification body involved by the manufacturer shall issue an EC Certificate of factory production control stating the conformity 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 20 January of 2023

By

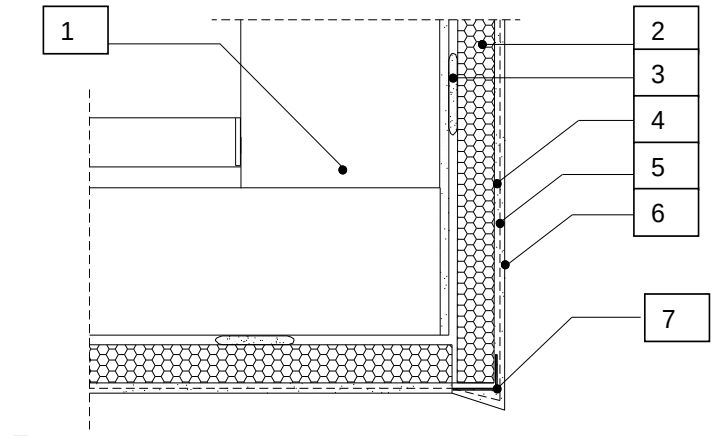
D. Ángel Castillo Talavera
Director
on behalf of Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc – CSIC)



1. Substrate
2. *EPS/ XPS / MW board*
3. Adhesive
4. Base coat
5. Glass fiber mesh (single or double)
6. Finishing coat
7. Aluminium base profile
9. Fixing

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

Annex 1
of European
Technical Assessment



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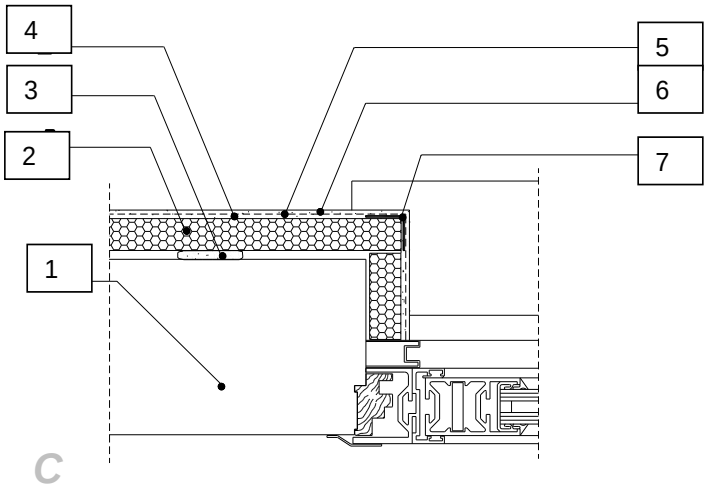

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1. Substrate
2. EPS / XPS / MW boards
3. Adhesive
4. Base coat
5. Glass fiber mesh (single or double)
6. Finishing coat
7. Aluminium corner profile

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

Annex 2
of European
Technical Assessment