

## PRODUCT DECLARATION OF PERFORMANCE

**IDENTIFICATION CODE: DdP-PROTECCION\_PASIVA-001**

### 1. Product identification:

IGNIVER

### 2. Intended use of the product:

Cladding for constructive elements in the interior of buildings, increasing fire resistance in the event of fire, and thus maintaining the load bearing, integrity and insulation (REI) of constructive elements until the fire is extinguished or the building is evacuated.

This product has a category for use based on Type Z2 environmental conditions, cladding for internal conditions without a high degree of humidity, and excluding sub-zero temperatures when used on steel supports with and without primer, and galvanised steel.

The categories for use with respect to the element to be protected are:

- Type 4: Steel load-bearing elements. Girders and pillars with 3 or 4 exposed faces. With a section factor of  $< 370 \text{ m}^{-1}$ . Temperature range of 350°C to 650°C. R15, R30, R60, R90, R120, R180 and R240.
- Type 5: Flat mixed slabs; concrete and metal reinforcement.

This product meets Essential Requirements No. 2 (Safety in the event of fire), No. 3 (Hygiene, health and the environment) and No. 4 (Safety in use), from the Construction Products Directive 89/106/EEC.

The IGNIVER mortar has been made in accordance with the "European Technical Approval Guide for "fire protection products", ETAG 018, Part 1, "General" and Part 3 "Cladding in fire resistance applications".

### 3. Name and address of manufacturer:

Saint-Gobain Placo Ibérica, S.A.  
Príncipe de Vergara, 132. 28002. Madrid.  
Production centres: Soneja (Castellón).  
[www.placo.es](http://www.placo.es)

### 4. Evaluation and verification system for constancy of performance:

System 1, outlined in the Construction Products Directive (89/106/EEC), Annex III.

### 5. Notified body:

Eduardo Torroja Institute for Construction Science No. 1219.  
European Technical Approval Document DITE -13/0894.

## 6. Declared performance

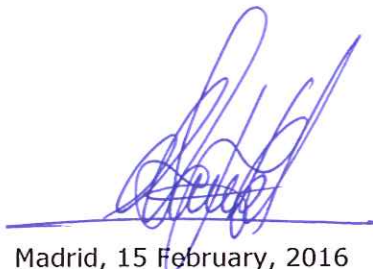
Essential characteristics	Performance	Harmonised technical specifications
Fire resistance	A1	EN 13501-1:2007+A1:2009
Fire resistance (steel supports, thickness of 10 to 45 mm)	R15 to R240	ENV 13381-4:2002 ENV 13381-5:2002 EN 13501-2:2007+A1:2009
Emission of dangerous substances (1)	No content, not emitted	ETAG 018 part 1 and 3
Resistance to steam	$\mu = 9$	EN 12086:1997
<b>Adherence</b>		
<b>Support</b>	<b>Thickness of cladding (mm)</b>	<b>Adherence (MPa)</b>
Steel (fresh / hard)	45	0.27
	25	0.15
	10	0.148
Steel + alkyd primer	25	0.04
Steel + epoxy Zn primer	25	0.1
Steel + silicate Zn primer	25	0.05
Galvanised steel	25	0.1

EGOLF SM/5

(1) PLACO meets the requirements of Regulation (CE) n° 1907/2006 **REACH** from the European Parliament and Council, related to the Registry, Evaluation, Authorisation and Restriction of chemical substances and preparations.

### **REGISTRY No. REACH S.G PLACO, 01-2119444918-26-0000**

- All essential performance indicators appearing in this table correspond to those outlined in the ETAG 018 GUIDE.
- The performance of the products identified in **point 2** meets the performance declared in **point 6**.
- This performance declaration is issued under the responsibility of the manufacturer indicated in **point 3**.
- The manufacturer has established a system of controls for the production process (Section 3.2.1. of the DITE).



Madrid, 15 February, 2016  
Víctor Bautista Verástegui  
Director General