

## DECLARATION OF PERFORMANCE

DoP N°: ES0001-022 (en) 20161128

**1. Unique identification code of the product-type:**

02020103  
ARENA PLENUM (See product label)

**2. Intended use:**

*Thermal insulation of Building (ThIB)*

**3. Manufacturer:**

SAINT-GOBAIN ISOVER IBÉRICA, S.L.  
Av. Del Vidrio s/n, 19200 Azuqueca de Henares (Guadalajara-Spain)  
[www.isover.es](http://www.isover.es)

**4. Name and contact address of the authorised representative:**

*Not applicable*

**5. System(s) of Assessment and Verification of Constancy of Performance of the construction product:**

*AVCP System 1 for Reaction to fire  
AVCP System 3 for other characteristics*

**6. Harmonised standard: EN\_13162:2012+A1:2015**

**Notified Body:**

*Asociación Española de Normalización y Certificación, AENOR (Notified Body n° 0099).  
Performed the determination of the product-type on the basis of type testing (including sampling);  
initial inspection of the manufacturing plant and of factory production control; continuous  
surveillance, assessment and evaluation of factory production control; under system 1.*

*Centro de ensayos, innovación y servicios, CEIS (Notified Body n°1722).  
Performed the determination of the product-type on the basis of type testing (based on sampling  
carried out by the manufacturer), under system 3.*

**7. Declared performance: Harmonised standard EN\_13162:2012+A1:2015**

Essential characteristics		Performance
Reaction to fire	Reaction to fire	B-s1, d0
Release of dangerous substances to the indoor environment	Release of dangerous substances <sup>g</sup>	NPD
Acoustic absorption index	Sound absorption <sup>f</sup>	NPD
Impact noise transmission index (for floors)	Dynamic stiffness <sup>f</sup>	NPD
	Thickness, d <sub>t</sub>	T3
	Compressibility	NPD
	Air flow resistivity	AFr5
Direct airborne sound insulation index	Air flow resistivity	AFr5
Continuous Glowing combustion	Continuous Glowing combustion	NPD
Thermal resistance	Thermal conductivity (λ)	0,036
	Thermal resistance <sup>f</sup>	2,20
	Thickness	T3
Water permeability	Water absorption	NPD
Water vapour permeability	Water vapour transmission	Z100
Compressive strength	Compressive stress or compressive strength	NPD
	Point load	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics <sup>b</sup>	<sup>b</sup>
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	<sup>c</sup>
	Características de durabilidad	DS(23,90) <sup>d</sup>
Tensile/Flexural strength	Tensile strength perpendicular to faces <sup>e</sup>	NPD
Durability of compressive strength against ageing/degradation	Compressive creep	NPD

<sup>a</sup> No change in Reaction to fire properties for mineral wool products.

<sup>b</sup> The fire performance of mineral wool does not deteriorate with time.

<sup>c</sup> Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

<sup>d</sup> For thickness only.

<sup>e</sup> This characteristic also covers handling and installation.

<sup>f</sup> See product label: Thickness/performance.

<sup>g</sup> An informative database of European and national provisions on dangerous substances is available at the Construction web site on EUROPA, accessed through: [http://ec.europa.eu/enterprise/construction/internal/dangsub/dangmain\\_en.htm](http://ec.europa.eu/enterprise/construction/internal/dangsub/dangmain_en.htm)

**8. Adequate technical documentation or specific technical documentation:**

*Not applicable*

Product benefits identified above are consistent with the set of performance features. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.




Fernando Peinado Hernández  
(Responsible Building Certification)  
Azuqueca de Henares, 28/11/2016