

Declaration of performances

DoP N° 0002-09

1. Unique identification code of the product-type:

I08

TECH SLAB 2.1 - THERMIPAN 313-400

TECH SLAB MT 3.1 – THERMIPAN 333-600

TECH SLAB MT 5.1 – THERMIPAN 343-700

TECH SLAB HT 6.1 – THERMIPAN 353-750

2. Intended use (according harmonised technical specification):

Thermal insulation of Building Equipment and Industrial Installations (ThIBELL)

3. Name, registered trade name and contact address of the manufacturer:

Saint-Gobain Isover

12 Place de l'Iris – 92400 Courbevoie

www.isover-marche-technique.fr

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. a/ Case a construction product covered by a harmonised standard:

EN 14303:2009+A1:2013

Notified Body(ies):

- ACERMI (Notified Body n° 1163) 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. and issued a certificate of constancy of performance according EN 14303:2009+A1:2013
- FIW (Notified Body n° 0751), performed the determination of the product-type on the basis of type testing, under system 3. They issued the relevant test reports.

b) Case of a construction product for which a European Technical Assessment has been issued:

Not applicable

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7. Declared performance:

All characteristics listed in the table under are determined in harmonized standard EN14303:2009 +A1:2013

Essential characteristics		Performance			
		TECH SLAB 2.1 THERMIPA N 313-400	TECH SLAB MT 3.1 THERMIPAN 333-600	TECH SLAB MT 5.1 THERMIPAN 343-700	TECH SLAB HT 6.1 THERMIPAN 353-750
Reaction to fire - Euroclass Characteristics		A1			
Acoustic absorption index	Sound absorption	NPD			
Thermal resistance	Thermal Conductivity (λ°)				
	50°C	0,043	0,041	0,041	0,039
	100°C	0,053	0,048	0,047	0,044
	150°C	0,066	0,058	0,054	0,051
	200°C	0,082	0,068	0,063	0,058
	250°C	-	-	-	-
	300°C	0,124	0,097	0,084	0,076
	400°C	-	0,134	0,110	0,098
	500°C	-	0,183	0,143	0,123
	600°C	-	0,248	0,182	0,154
	650°C	-	-	-	0,172
	Dimension et Tolerances	$d_D = 40 \text{ mm}$ – 100 mm and T4	$d_D = 30 \text{ mm} - 100 \text{ mm}$ and T4		
Water permeability	Water absorption	WS1			
Water vapour permeability	Water vapour diffusion resistance	NPD			
Compressive strength	Compressive stress or compressive strength for flat products	NPD			CS(10)20
Rate of release of corrosive substances	Trace quantity of ions Cl-	40			
	Trace quantity of ions F	NPD			
	Trace quantity of ions sio3+	200			
	Trace quantity of ions Na+	100			
	Value of ph	NPD			
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD			
Continuous glowing combustion	Continuous glowing combustion (b)	NPD			

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Durability of reaction to fire against ageing/degradation	Durability characteristics	(a)			
Durability of thermal resistance against ageing/degradation	Thermal Conductivity	(b)			
	Dimensions and tolerances	See above			
	Dimensional stability, or Maximum Service Temperature	ST(+) 300	ST(+) 600	ST(+) 660	ST(+) 700
Durability of reaction to fire against high temperature	Durability characteristics	(c)			
Durability of thermal resistance against high temperature	Durability characteristics	(b)			
	Maximum Service Temperature, Dimensional Stability	ST(+) 300	ST(+) 600	ST(+) 660	ST(+) 700

NPD: No performance determined

(a) The fire performance of mineral wool does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

(b) 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.

(c) The fire performance of mineral wool does not deteriorate with high temperature. The Euroclass classification of the product is related to the organic content, which remains constant or decreases with high temperature

8. The performance of the product identified in point 1. is in conformity with the declared performance in point 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Hervé De Maistre
General Director Placoplatre & Isover
Courbevoie, the 2020 09 18

