Declaration of Performance

Technical Slab 48

Technical Insulation

1	**Unique identification code of the product type:**	Technical Slab 48 (TS48)
2	**Intended use/s:**	Thermal Insulation for Building Equipment and Industrial Installations (ThIBEII)
3	**Manufacturer:**	Saint-Gobain Isover UK Limited Saint-Gobain House, East Leake, Loughborough, Leicestershire, LE12 6JU
4	**Authorised representative:**	N/A
5	**System/s of AVCP:**	System 1 (Reaction to Fire) and System 3
6	**Covered by designated standard:**	BS EN 14303:2009 + A1:2013
	Approved body/ies:	Approved body Warringtonfire Testing and Certification Limited No.1121 performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance (1121-CPR-7000) for Reaction to fire.

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7 Declared performance/s:

Harmonised Technical Specification: BS EN 14303:2009 + A1:2013

Essential characteristics	Performance	Unit	Declared Performance
Product name			Technical Slab 48
Product thickness		mm	50
Reaction to fire		Euroclass	A2-s1,d0
Acoustic absorption index	Sound absorption		NPD
Thermal resistance	Thermal conductivity	W/m.K	
	at 10°C		0.032
	at 40°C		0.037
	at 50°C		0.039
	Dimensions	mm	50
	Tolerances		T3
Water permeability	Water absorption		NPD
Water vapour permeability	Water vapour transmission		NPD
Compressive strength	Compressive stress or compressive strength for flat products		NPD
Rate of release of corrosive substances	Trace quantity of ions Cl		NPD
	Trace quantity of ions F		NPD
	Trace quantity of ions SiO_3		NPD
	Trace quantity of ions Na		NPD
	Value of pH		NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances		(d)
Continuous glowing combustion	Continuous glowing combustion		(d)
Durability of Reaction to fire against ageing/degradation	Durability characteristics		(a)
Durability of thermal resistance against ageing/degradation	Thermal conductivity		See above (b)
	Dimensional stability, or Maximum service temperature		Maximum service temperature (e)
Durability of thermal resistance against high temperature	Thermal conductivity		See above
	Maximum service temperature		(e)
Durability of Reaction to fire against high temperature	Durability characteristics		(c)

NPD = No Performance Determined

(a) No change in Reaction to fire properties for mineral wool products. 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.

(c) The fire performance of mineral wool products 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.

(d) European Test Methods are under development - the standard will be amended when available.

(e) The maximum service temperature testing needs not to be done as declared thermal conductivity is given for temperatures ≤150°C and the binder cures at T >200°C.

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8 Appropriate Technical Documentation and/or Specific Technical Documentation:

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 as it has effect in the United Kingdom in respect of Great Britain, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Dean O'Sullivan, Managing Director, Isover

East Leake 27/11/2024

Place and date of issue