Declaration of Performance

Cavity Wall Slab 32 / 34 / 36

UK CA

1	**Unique identification code of the product type:**	Cavity Wall Slab 32 Cavity Wall Slab 34 Cavity Wall Slab 36
2	**Intended use/s:**	Thermal Insulation for Buildings (ThIB)
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) System 3
6	**Covered by designated standard:**	BS EN 13162:2012 + A1:2015
	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-7001) for Reaction to fire.

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7 Declared performance/s: Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance			
Product name			Cavity Wall Slab 32			
Reaction to fire		Euroclass	A1			
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD			
Acoustic absorption index	Sound absorption		NPD			
Impact noise transmission index	Dynamic stiffness		NPD			
	Thickness		NPD			
	Compressibility		NPD			
	Air flow resistivity		NPD			
Direct airborne sound insulation index	Air flow resistivity		NPD			
Continuous glowing combustion	Continuous glowing combustion (e)		NPD			
Thermal resistance	Thermal resistance	$m^2.K/W$	2.00	2.30	2.65	3.10
	Thermal conductivity	W/m.K	0.032	0.032	0.032	0.032
	Thickness	mm	65	75	85	100
	Thickness class		T4	T4	T4	T4
Water permeability	Short term water absorption		NPD			
	Long term water absorption		NPD			
Water vapour permeability	Water vapour transmission		NPD			
Compressive strength	Compressive stress or compressive strength		NPD			
	Point load		NPD			
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	$m^2.K/W$	2.00	2.30	2.65	3.10
	Thermal conductivity (b)	W/m.K	0.032	0.032	0.032	0.032
	Durability characteristics (c)		NPD			
Tensile/flexural strength	Tensile strength perpendicularto faces (d)		NPD			
Durability of compressive strength against heat, weathering, ageing/ degradation	Compresive creep		NPD			

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) For dimensional stability thickness only.

(d) This characteristic also covers handling and installation.

(e) European test methods are under development.

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Cavity Wall Slab 32 / 34 / 36

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7 Declared performance/s: Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance			
Product name			Cavity Wall Slab 34			
Reaction to fire		Euroclass	A1			
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD			
Acoustic absorption index	Sound absorption		NPD			
Impact noise transmission index	Dynamic stiffness		NPD			
	Thickness		NPD			
	Compressibility		NPD			
	Air flow resistivity		NPD			
Direct airborne sound insulation index	Air flow resistivity		NPD			
Continuous glowing combustion	Continuous glowing combustion (e)		NPD			
Thermal resistance	Thermal resistance	$m^2.K/W$	2.20	2.90	3.65	4.40
	Thermal conductivity	W/m.K	0.034	0.034	0.034	0.034
	Thickness	mm	75	100	125	150
	Thickness class		T4	T4	T4	T4
Water permeability	Short term water absorption		NPD			
	Long term water absorption		NPD			
Water vapour permeability	Water vapour transmission		NPD			
Compressive strength	Compressive stress or compressive strength		NPD			
	Point load		NPD			
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	$m^2.K/W$	2.20	2.90	3.65	4.40
	Thermal conductivity (b)	W/m.K	0.034	0.034	0.034	0.034
	Durability characteristics (c)		NPD			
Tensile/flexural strength	Tensile strength perpendicularto faces (d)		NPD			
Durability of compressive strength against heat, weathering, ageing/ degradation	Compresive creep		NPD			

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) For dimensional stability thickness only.

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7 Declared performance/s: Harmonised Technical Specification: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance						
Product name			Cavity Wall Slab 36						
Reaction to fire		Euroclass	A1						
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD						
Acoustic absorption index	Sound absorption		NPD						
Impact noise transmission index	Dynamic stiffness		NPD						
	Thickness		NPD						
	Compressibility		NPD						
	Air flow resistivity		NPD						
Direct airborne sound insulation index	Air flow resistivity		NPD						
Continuous glowing combustion	Continuous glowing combustion (e)		NPD						
Thermal resistance	Thermal resistance	$m^2.K/W$	1.35	1.80	2.05	2.35	2.75	3.45	4.15
	Thermal conductivity	W/m.K	0.036	0.036	0.036	0.036	0.036	0.036	0.036
	Thickness	mm	50	65	75	85	100	125	150
	Thickness class		T4	T4	T4	T4	T4	T4	T4
Water permeability	Short term water absorption		NPD						
	Long term water absorption		NPD						
Water vapour permeability	Water vapour transmission		NPD						
Compressive strength	Compressive stress or compressive strength		NPD						
	Point load		NPD						
Durability of Reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	Euroclass	A1						
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	$m^2.K/W$	1.35	1.80	2.05	2.35	2.75	3.45	4.15
	Thermal conductivity (b)	W/m.K	0.036	0.036	0.036	0.036	0.036	0.036	0.036
	Durability characteristics (c)		NPD						
Tensile/flexural strength	Tensile strength perpendicularto faces (d)		NPD						
Durability of compressive strength against heat, weathering, ageing/ degradation	Compresive creep		NPD						

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.

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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 Regulations (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