DECLARATION OF PERFORMANCE

Certificate No. 0012-CPR-170918

1. **Unique identification of the product-type:**
   Cavity Wall Slab 32
   Cavity Wall Slab 34
   Cavity Wall Slab 36

   See table here under...

2. **Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):**
   See table here under...

3. **Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as forseen by the manufacturer:**
   Thermal Insulation for Buildings.

   Factory made glass mineral wool thermal products

4. **Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):**
   Saint-Gobain Isover, Whitehouse Industrial Estate, Runcorn, Cheshire, WA7 3DP, UK

5. **Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in article 12(2):**
   N/A

6. **System or systems of Assessment and Verification of Constancy (AVCP) of Performance of the construction product as set out in Annex V:**
   System 1 (Reaction to fire)
   System 3 (all other declared properties)

7. **In case of the declaration of performance concerning a construction product covered by a harmonised standard:**
   Warrington Certification Ltd (1121)
   performed initial and continuous surveillance of the place of manufacture and the factory production control implemted, sampled product and witnessed initial type testing under

   System 1 and **System 3**
   and issued
   the Certificate of Constancy of Performance (1121-CPD-BA0053)
   and Certificate of Conformity of the Factory Production Control

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8. Declared performance table: According to EN 13162:2012+A1:2015

Essential Characteristics	Performance	Abbrev.	Unit	Declared Performance			
Product Name				Cavity Wall Slab 32	Cavity Wall Slab 32	Cavity Wall Slab 32	Cavity Wall Slab 32
Product Code				5200625457	5200625459	5200625461	5200625463
Reaction to fire	Reaction to fire	RtF	Euroclass	A1	A1	A1	A1
Release of dangerous substances	Release of dangerous substances			NPD			
Acoustic absorption index	Sound absorption			NPD			
Impact noise transmission index	Dynamic stiffness			NPD			
	Thickness	d_L		NPD			
	Compressibility	c		NPD			
	Air flow resistivity	AF_r		NPD			
Direct airbourne sound insulation index	Air flow resistivity	AF_r		NPD			
Continuous glowing combustion	Continuous glowing combustion			NPD			
Thermal resistance	Thermal resistance	R_D	m^2 K/W	2.00	2.30	2.65	3.10
	Thermal conductivity	λ_D	W/m K	0.032	0.032	0.032	0.032
	Thickness	d_N	mm	65	75	85	100
	Thickness class	Ti		T4	T4	T4	T4
Water permeability	Short term water absorption	W_p	kg/m^2	WS	WS	WS	WS
	Long term water absorption	W_{lp}		NPD			
Water vapour permeability	Water vapour transmission	t or Z		NPD			
Compressive strength	Compressive stress or compressive strength	CS		NPD			
	Point load	F_p		NPD			
Durability of reaction to fire against heat, weathering, ageing/ degradation	Durability characteristics (a) (b)			NPD			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (c)	R_D	m^2 K/W	2.00	2.30	2.65	3.10
	Thermal conductivity (c)	λ_D	W/m K	0.032	0.032	0.032	0.032
	Durability characteristics (d)	d		NPD			
Tensile/fluxural strength	Tensile strength perpendicular to faces (e)	TR		NPD			
Durability of compressive strength against heat, weathering, ageing/degradaton	Compresive Creep	Xct, Xt		NPD			

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

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

(c) The 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.

(d) For dimensional stability thickness only.

(e) This characteristic also covers handling and installation.

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8. Declared performance table: According to EN 13162:2012+A1:2015

Essential Characteristics	Performance	Abbrev.	Unit	Declared Performance			
Product Name				Cavity Wall Slab 34	Cavity Wall Slab 34	Cavity Wall Slab 34	Cavity Wall Slab 34
Product Code				5200673468	5200673467	5200679860	5200679864
Reaction to fire	Reaction to fire	RtF	Euroclass	A1	A1	A1	A1
Release of dangerous substances	Release of dangerous substances			NPD			
Acoustic absorption index	Sound absorption			NPD			
Impact noise transmission index	Dynamic stiffness			NPD			
	Thickness	d_L		NPD			
	Compressibility	c		NPD			
	Air flow resistivity	AF_r		NPD			
Direct airbourne sound insulation index	Air flow resistivity	AF_r		NPD			
Continuous glowing combustion	Continuous glowing combustion			NPD			
Thermal resistance	Thermal resistance	R_D	m^2 K/W	2.20	2.90	3.65	4.40
	Thermal conductivity	λ_D	W/m K	0.034	0.034	0.034	0.034
	Thickness	d_N	mm	75	100	125	150
	Thickness class	Ti		T4	T4	T4	T4
Water permeability	Short term water absorption	W_p	kg/m^2	WS	WS	WS	WS
	Long term water absorption	W_{lp}		NPD			
Water vapour permeability	Water vapour transmission	t or Z		NPD			
Compressive strength	Compressive stress or compressive strength	CS		NPD			
	Point load	F_p		NPD			
Durability of reaction to fire against heat, weathering, ageing/ degradation	Durability characteristics (a) (b)			NPD			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (c)	R_D	m^2 K/W	2.20	2.90	3.65	4.40
	Thermal conductivity (c)	λ_D	W/m K	0.034	0.034	0.034	0.034
	Durability characteristics (d)	d		NPD			
Tensile/fluxural strength	Tensile strength perpendicular to faces (e)	TR		NPD			
Durability of compressive strength against heat, weathering, ageing/degradaton	Compresive Creep	Xct, Xt		NPD			

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

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

(c) The 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.

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8. Declared performance table: According to EN 13162:2012+A1:2015

Essential Characteristics	Performance	Abbrev.	Unit	Declared Performance			
Product Name				Cavity Wall Slab 36	Cavity Wall Slab 36	Cavity Wall Slab 36	Cavity Wall Slab 36
Product Code				5200625441	5200625443	5200625445	5200625447
Reaction to fire	Reaction to fire	RtF	Euroclass	A1	A1	A1	A1
Release of dangerous substances	Release of dangerous substances			NPD			
Acoustic absorption index	Sound absorption			NPD			
Impact noise transmission index	Dynamic stiffness			NPD			
	Thickness	d_L		NPD			
	Compressibility	c		NPD			
	Air flow resistivity	AF_r		NPD			
Direct airbourne sound insulation index	Air flow resistivity	AF_r		NPD			
Continuous glowing combustion	Continuous glowing combustion			NPD			
Thermal resistance	Thermal resistance	R_D	m^2 K/W	1.35	1.80	2.05	2.35
	Thermal conductivity	λ_D	W/m K	0.036	0.036	0.036	0.036
	Thickness	d_N	mm	50	65	75	85
	Thickness class	Ti		T4	T4	T4	T4
Water permeability	Short term water absorption	W_p	kg/m^2	WS	WS	WS	WS
	Long term water absorption	W_{lp}		NPD			
Water vapour permeability	Water vapour transmission	t or Z		NPD			
Compressive strength	Compressive stress or compressive strength	CS		NPD			
	Point load	F_p		NPD			
Durability of reaction to fire against heat, weathering, ageing/ degradation	Durability characteristics (a) (b)			NPD			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (c)	R_D	m^2 K/W	1.35	1.80	2.05	2.35
	Thermal conductivity (c)	λ_D	W/m K	0.036	0.036	0.036	0.036
	Durability characteristics (d)	d		NPD			
Tensile/fluxural strength	Tensile strength perpendicular to faces (e)	TR		NPD			
Durability of compressive strength against heat, weathering, ageing/degradaton	Compresive Creep	Xct, Xt		NPD			

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

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

(c) The 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.

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8. Declared performance table: According to EN 13162:2012+A1:2015

Essential Characteristics	Performance	Abbrev.	Unit	Declared Performance		
Product Name				Cavity Wall Slab 36	Cavity Wall Slab 36	Cavity Wall Slab 36
Product Code				5200625449	5200625451	5200625453
Reaction to fire	Reaction to fire	RtF	Euroclass	A1	A1	A1
Release of dangerous substances	Release of dangerous substances			NPD		
Acoustic absorption index	Sound absorption			NPD		
Impact noise transmission index	Dynamic stiffness			NPD		
	Thickness	d_L		NPD		
	Compressibility	c		NPD		
	Air flow resistivity	AF_r		NPD		
Direct airbourne sound insulation index	Air flow resistivity	AF_r		NPD		
Continuous glowing combustion	Continuous glowing combustion			NPD		
Thermal resistance	Thermal resistance	R_D	m^2 K/W	2.75	3.45	4.15
	Thermal conductivity	λ_D	W/m K	0.036	0.036	0.036
	Thickness	d_N	mm	100	125	150
	Thickness class	Ti		T4	T4	T4
Water permeability	Short term water absorption	W_p	kg/m^2	WS	WS	WS
	Long term water absorption	W_{lp}		NPD		
Water vapour permeability	Water vapour transmission	t or Z		NPD		
Compressive strength	Compressive stress or compressive strength	CS		NPD		
	Point load	F_p		NPD		
Durability of reaction to fire against heat, weathering, ageing/ degradation	Durability characteristics (a) (b)			NPD		
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (c)	R_D	m^2 K/W	2.75	3.45	4.15
	Thermal conductivity (c)	λ_D	W/m K	0.036	0.036	0.036
	Durability characteristics (d)	d		NPD		
Tensile/fluxural strength	Tensile strength perpendicular to faces (e)	TR		NPD		
Durability of compressive strength against heat, weathering, ageing/degradaton	Compresive Creep	Xct, Xt		NPD		

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

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

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(d) For dimensional stability thickness only.

(e) This characteristic also covers handling and installation.

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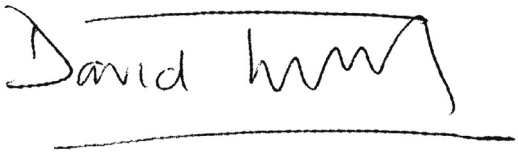
Where pursuant to Article 37 or 38 the Specific Technical Documentation has been used, the requirements with the product complies.

N/A

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



David Travill
Managing Director

Runcorn, 17th September 2018

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