Declaration of Performance (DoP)

Intelligent Environments Superglass

DoP Reference Number: UKCA0001
UKCA Certificate No: 0086 CPR 469699
Version 2.1

1. Unique identification code of product type:
   - **Cladding Mat 32**
   - **Modular Roll 32**
   - **Superglass Mat 32**
   - **Timber & Rafter Roll 32**

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

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

4. Name, registered trade name or registered trademark and contact address of the manufacturer as required under Article 11(5): **Superglass Insulation Limited, Thistle Industrial Estate, Kerse Road, Stirling, Scotland, FK7 7QQ**

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 of Performance (AVCP) of the construction product as set out in Annex V:
   - **System 1 (Reaction to fire)**
   - **System 3**

7. In case of the declaration of performance concerning a construction product covered by a designated standard:
   Approved certification body British Standards Institution (BSI), Approved Body Number 0086, 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 UKCA Certificate of Constancy of Performance (0086 CPR 469699) for reaction to fire for all products marked in this document.

8. Declared Performance:

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Designated Standard: BS EN 13162:2012 + A1:2015

NPD No Performance Determined.

Essential characteristics	Performance	Unit	Declared Performance
Product Name			Cladding Mat 32
Thermal Resistance	Thermal resistance	m^2K/W	See thermal resistance table
	Thermal conductivity	W/mK	λ_D 0.032
	Thickness range	mm	50-140
	Thickness tolerance class		T1
Reaction to fire			A1
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)		A1
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m^2K/W	See thermal resistance table
	Thermal conductivity (b)	W/mK	λ_D 0.032
	Durability characteristics (c)		NPD
Compressive strength	Compressive stress or compressive strength		NPD
	Point load		NPD
Tensile / Flexural strength	Tensile strength to perpendicular faces (d)		NPD
Water permeability	Short time water absorption		NPD
	Long time water absorption		NPD
Water vapour permeability	Water vapour transition		NPD
Impact noise transition index (for floors)	Dynamic stiffness		NPD
	Thickness		NPD
	Compressibility		NPD
	Air flow resistivity		NPD
Acoustic absorption index	Sound absorption		NPD
Direct airborne sound insulation index	Air flow resistivity		NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD
Continuous glowing combustion	Continuous glowing combustion (e)		NPD

(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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8. Declared Performance:
   Designated Standard: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance
Product Name			Modular Roll 32
Thermal Resistance	Thermal resistance	m^2K/W	See thermal resistance table
	Thermal conductivity	W/mK	λ_D 0.032
	Thickness range	mm	90-140
	Thickness tolerance class		T1
Reaction to fire			A1
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)		A1
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m^2K/W	See thermal resistance table
	Thermal conductivity (b)	W/mK	λ_D 0.032
	Durability characteristics (c)		NPD
Compressive strength	Compressive stress or compressive strength		NPD
	Point load		NPD
Tensile / Flexural strength	Tensile strength to perpendicular faces (d)		NPD
Water permeability	Short time water absorption		NPD
	Long time water absorption		NPD
Water vapour permeability	Water vapour transition		NPD
Impact noise transition index (for floors)	Dynamic stiffness		NPD
	Thickness		NPD
	Compressibility		NPD
	Air flow resistivity		NPD
Acoustic absorption index	Sound absorption		NPD
Direct airborne sound insulation index	Air flow resistivity		NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD
Continuous glowing combustion	Continuous glowing combustion (e)		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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8. Declared Performance:
Designated Standard: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance
Product Name			Superglass Mat 32
Thermal Resistance	Thermal resistance	m^2K/W	See thermal resistance table
	Thermal conductivity	W/mK	λ_D 0.032
	Thickness range	mm	50-140
	Thickness tolerance class		T1
Reaction to fire			A1
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)		A1
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m^2K/W	See thermal resistance table
	Thermal conductivity (b)	W/mK	λ_D 0.032
	Durability characteristics (c)		NPD
Compressive strength	Compressive stress or compressive strength		NPD
	Point load		NPD
Tensile / Flexural strength	Tensile strength to perpendicular faces (d)		NPD
Water permeability	Short time water absorption		NPD
	Long time water absorption		NPD
Water vapour permeability	Water vapour transition		NPD
Impact noise transition index (for floors)	Dynamic stiffness		NPD
	Thickness		NPD
	Compressibility		NPD
	Air flow resistivity		NPD
Acoustic absorption index	Sound absorption		NPD
Direct airborne sound insulation index	Air flow resistivity		NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD
Continuous glowing combustion	Continuous glowing combustion (e)		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.
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8. Declared Performance:
Designated Standard: BS EN 13162:2012 + A1:2015

Essential characteristics	Performance	Unit	Declared Performance
Product Name			Timber & Rafter Roll 32
Thermal Resistance	Thermal resistance	m^2K/W	See thermal resistance table
	Thermal conductivity	W/mK	λ_D 0.032
	Thickness range	mm	50-140
	Thickness tolerance class		T1
Reaction to fire			A1
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)		A1
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance (b)	m^2K/W	See thermal resistance table
	Thermal conductivity (b)	W/mK	λ_D 0.032
	Durability characteristics (c)		NPD
Compressive strength	Compressive stress or compressive strength		NPD
	Point load		NPD
Tensile / Flexural strength	Tensile strength to perpendicular faces (d)		NPD
Water permeability	Short time water absorption		NPD
	Long time water absorption		NPD
Water vapour permeability	Water vapour transition		NPD
Impact noise transition index (for floors)	Dynamic stiffness		NPD
	Thickness		NPD
	Compressibility		NPD
	Air flow resistivity		NPD
Acoustic absorption index	Sound absorption		NPD
Direct airborne sound insulation index	Air flow resistivity		NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances (e)		NPD
Continuous glowing combustion	Continuous glowing combustion (e)		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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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.

THERMAL RESISTANCE TABLE											
Thickness (mm)	**50**	**55**	**60**	**65**	**70**	**75**	**80**	**85**	**90**	**95**	**100**
m^2K/W	1.55	1.70	1.85	2.05	2.20	2.35	2.50	2.65	2.80	2.95	3.15
Thickness (mm)	**105**	**110**	**115**	**120**	**125**	**130**	**135**	**140**			
m^2K/W	3.30	3.45	3.60	3.75	3.90	4.10	4.25	4.40			

Signed:

David Ashforth
Plant Manager

Date: 28th August 2023
Location: Stirling, Scotland
DoP Reference Number: UKCA0001
Version: 2.1