

FABROCK® GSP

Glass Spandrel Panel Insulation



ROCKWOOL stone wool insulation:

- Rated Euroclass A1 – will not develop toxic smoke or promote flame spread in the event of fire
- Dimensionally stable – maintains thermal performance for lifetime of installation
- Acoustically absorbent – traps sound waves to reduce external noise transfer

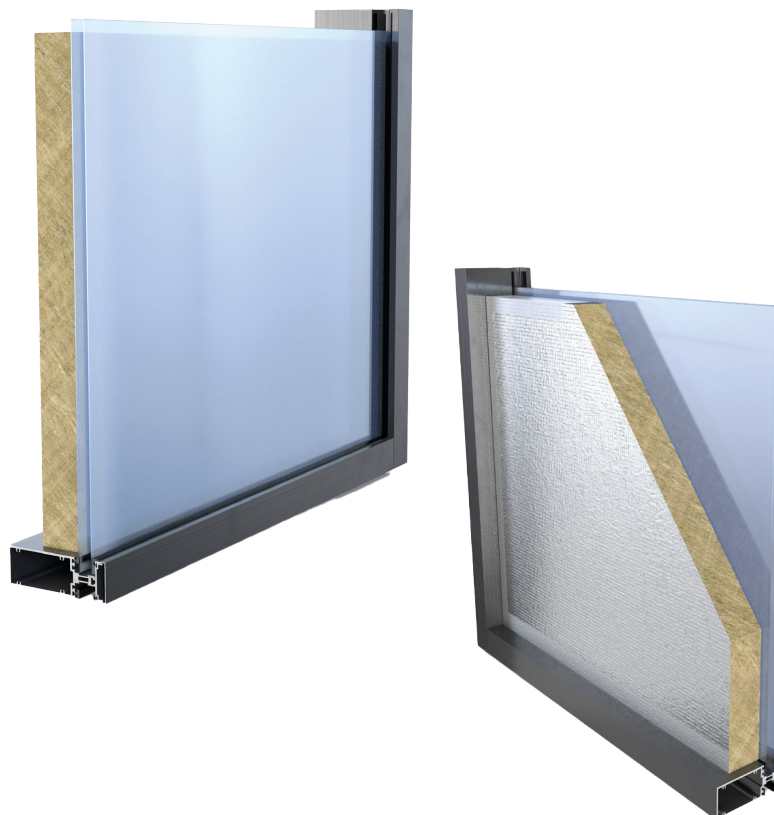
ROCKWOOL FABROCK® GSP is a range of non-combustible stone wool solutions that thermally insulate glass spandrel systems.

Aluminium backed, FABROCK® GSP is specifically designed for adhesive bonding to glass to create an integrated A1 rated insulation layer that achieves low U-values.

Readily available in a wide range of close tolerance thicknesses and dimensions, ROCKWOOL FABROCK® GSP is manufactured to bespoke specifications, providing an efficient and proven specification for offsite construction.

Email us to learn more about the comprehensive packages available for specifiers and panel manufacturers:

CoreSolutionsMarketing@rockwool.com



ROCKWOOL FABROCK® GSP is a range of non-combustible and thermally efficient products designed for fire rated glass spandrel applications.

Product name	FABROCK® Therm 413	Unit	Test standard
Fire performance			
Reaction to fire - Euroclass	A1	-	EN 13501-1
Thermal performance			
Thermal conductivity (board)	0.036	W/mK	EN 12667
Thermal conductivity (lamella)	-	W/mK	EN 12667
Mechanical performance			
Compression strength (cs) (board)	15	kPa	EN 826
Compression e-modulus (board , *lamella)	-	mPa	EN 826
Compression strength (cs) (lamella)	-	kPa	EN 826
Tensile strength perpendicular to face (board)	5	kPa	EN 1607
Tensile strength perpendicular to face (lamella)	-	kPa	EN 1607
Water repellent performance			
Water absorption (short-term)	<1	kg/m ²	EN 1609
Water absorption (long-term)	<3	kg/m ²	EN 12087
Specialised information			
Thickness range ¹	50 - 200	mm	-
Thickness tolerance	±2	mm	-
Dimensions ¹	1200 x 2000	mm	-
Facings	One side aluminium foil / One side grinded	-	-
Optimised surface for gluing	Yes	-	-
Certification			
Health & safety	EUCEB	-	-

¹For other thicknesses and dimensions please contact us.

System U-value calculation table for different types of glasses and thicknesses of FABROCK® Therm 413²

FABROCK® Therm 413, conductivity taken as = 0.036W/mK FABROCK Therm 413			
U-value of Glazing alone 2.7 W/mK	System U-value (W/mK)	FABROCK® Therm 413 Thickness(mm)	Thermal Resistance ('R' Value) of FABROCK® Therm 413
	0.318	100	2.78
Thermal Resistance (‘R’ Value) of glazing 0.370(mk/W)	0.408	75	2.08
	0.491	60	1.67
	0.569	50	1.39
U-value of Glazing alone 2.5 W/mK	System U-value (W/mK)	FABROCK® Therm 413 Thickness(mm)	Thermal Resistance ('R' Value) of FABROCK® Therm 413
	0.315	100	2.78
Thermal Resistance (‘R’ Value) of glazing 0.400(mk/W)	0.403	75	2.08
	0.462	60	1.67
	0.529	50	1.39
U-value of Glazing alone 2.0 W/mK	System U-value (W/mK)	FABROCK® Therm 413 Thickness(mm)	Thermal Resistance ('R' Value) of FABROCK® Therm 413
	0.305	100	2.78
Thermal Resistance (‘R’ Value) of glazing 0.500(mk/W)	0.387	75	2.08
	0.462	60	1.67
	0.529	50	1.39
U-value of Glazing alone 1.8 W/mK	System U-value (W/mK)	FABROCK® Therm 413 Thickness(mm)	Thermal Resistance ('R' Value) of FABROCK® Therm 413
	0.300	100	2.78
Thermal Resistance (‘R’ Value) of glazing 0.555(mk/W)	0.379	75	2.08
	0.450	60	1.67
	0.514	50	1.39

²For other system U-value requirements and other type of glasses please contact us.

NOTE: Information is up-to-date and correct as at the date of issue. As we cannot control or anticipate the conditions under which our products may be used, each user should review the information in specific context of the planned use. It is the user's responsibility to validate that our products with the properties described in the specification is suitable for use in its application. No express or implied warranties are given other than those implied mandatory by law. This document is the property of ROCKWOOL International A/S, no alteration or modification is allowed without prior written authorization, no liability shall rise from non-authorized alteration.

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