ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

CONTACT FACADE SYSTEMS

DATASHEET

FASROCK L / RP - PL

HARD RIGID THERMAL INSULATING FACADE LAMELLAS



PRODUCT DESCRIPTION

Stable, rigid stone wool lamellas, impregnated with water repellent oils, specially created for facade insulation.

APPLICATION

Fasrock slabs are used for thermal, acoustic and fire insulation of flat roofs with concrete structures and roofs made of trapezoidal metal plates (steel decks). Fixing by gluing (hot asphalt, cold bituminous glue, polyurethane glue), mechanical anchors or ballasting against wind up-lift. It is used for thermal acustic insulation of facades in contact facade insulation systems is recommended to be applied at a height of 2m above the ground level.

SPECIFIC PROPERTIES OF ROCKWOOL STONE WOOL

- Notable improvement of thermal and acoustic insulation;
- Impossible cleavage, perpendicular to the surface;
- Enough mechanical rigidness;
- Additional impregnation with silicone resins;
- High vapor permeability;
- Efficient fire protection;
- Chemically inert and perfectly fitting to the building construction;
- Environmentally friendly, no contents of asbestos or toxic elements;
- Harmless to man, no requirements for special means of protection;
- Not an environment for rodents and micro-organisms.

PACKING

The slabs are wrapped in PE foil with the name of the manufacturer and the basic product data printed on the label.

DIMENSIONS, PRODUCT RANGE AND PACKING						
Thickness (mm)	50	60	80	100	120	140
Length x Width *(mm)*	1200 x 200					
m^2 / pack	1.92	1.92	1.44	0.96	0.96	0.96

Thicknesses are optionally available up to 240 mm upon agreement with Rockwool, a.s.

TECHNICAL PARAMETERS					
Typical Features		**Symbol**	**Value**	**Unit**	**Standard**
Density		ρ	~ 85	kg /m^3	EN 1602
Medium thermal resistance at different temperature		λ_D	0.041	W / m.K	EN 12667
Reaction to fire		A_1	Non combustible	-	EN 13501-1
Specific heat capacity		C_p	840	J / kg.K	EN 13162
Melting point		t_t	> 1000	°C	DIN 4102
Compression behavior at 10% deformation		σ_{10}	≥ 40	kPa	EN 826
Tensile strength perpendicular to faces		σ_{mt}	≥ 80	kPa	EN 1607
Number of water vapor transmission properties		μ	≥ 2.05	kg /m^3	EN 12086
24 h short term water absorption by partial immersion	Partial dipping	W_p	≤ 1	kg /m^2	EN 1609
	Complete dipping	W_{lp}	≤ 3	kg /m^2	-
Bulgarian Technical Approval		Protocol № 00-140/ 12.05.2004	SRICM, Sofia		EN 13162
Sanitary Permit		№ 03579 / 2000 by Bulgarian Ministry of Health			
Environment Management System		Certificate No.140868	Bureau Veritas (BVQI) CS Prague		ISO 14001:2000
Quality Management System		Certificate No. 134429	Der Norske Veritas (DNV) Magyarorszag Kft.		ISO 9001:2000

Any information contained in this data sheet describes the product properties applicable as at the time of issue. With respect to continuous development of these materials, changes to their properties may take place from time to time.

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