ROCKWOOL®

THERMAL AND FIRESAFE INSULATION

CONTACT FACADE SYSTEMS

DATASHEET

FASROCK / RP-PT

HARD RIGID THERMAL INSULATING FACADE SLABS



PRODUCT DESCRIPTION

Hard and 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 applicable as an insulation of floating floors with higher demands on load and sound reduction and thermal properties. The product is developed as an insulating and supporting base for plaster treatment (decorative top - coat).

SPECIFIC PROPERTIES OF ROCKWOOL STONE WOOL

- Notable improvement of thermal and acoustic insulation;
- Prefect fitting to the building construction;
- 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)	20	30	40	50	60	80	100	120	140	160
Length x Width (mm)	100x600									
m^2 / pack	4.80	3.60	3.60	2.40	2.40	1.80	1.20	1.20	0.60	0.60

Thicknesses are optionally available up to 100 mm upon agreement with Rockwool,a.s.

TECHNICAL PARAMETERS

Typical Features		Symbol	Value		Unit	Standard
Density		ρ	~135		kg /m^3	EN 1602
Medium thermalresistance at different temperature		λ_D	0.039		W / m.K	EN 12667
Reaction to fire		A_1	Non combustible		-	EN 13501-1
Specific head 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	test = 54	kPa	EN 826
Tensile strength perpendicular to faces		σ_{mt}	≥ 15	test = 12	kPa	EN 1607
Number of water vapor transmission properties		μ	≤ 4.85		kg /m^3	EN 12086
24 h short term water absorption by partial immersion	Partial dipping	W_p	≤ 1	test = 0.15	kg /m^2	EN 1609
	Complete dipping	W_{lp}	≤ 3		kg /m^2	-

Noise reduction coefficient α_s	Hz	125	250	500	1000	2000	4000	EN ISO 20354
	α_s / δ = 80mm	0.38	0.64	0.74	0.77	0.73	0.80	

Bulgarian Technical Approval	Protocol № 00-415 /16.06.2005	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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