ROCKWOOL Rockfon®

ACOUSTIC AND HUMIDITY RESISTANT SUSPENDED CEILINGS

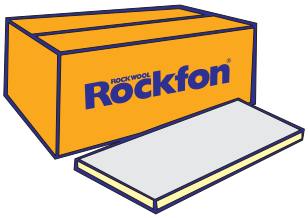
DATASHEET

FIBRAL STRUCTUUR

ACOUSTIC AND HUMIDITY RESISTANT SUSPENDED CEILING BOARDS

PRODUCT DESCRIPTION

ROCKWOOL acoustic boards made of pressed stone wool. Both sides of the boards are covered with glass fiber veil, painted on the face surface. The boards are smooth, white, with fine decorations. The edges are sealed with paint.



APPLICATION

ROCKFON suspended ceilings are used in all spheres of building industry: residential, administrative and industrial buildings, business offices, banks, trading centers, hotels, restaurants, sports halls, fitness centers, swimming pools, gymnasiums, schools, hospitals, sanatoriums, laboratories, industrial store houses, workshops, corridors, housing estates, service rooms, etc.

SPECIFIC PROPERTIES OF ROCKFON SUSPENDED CEILINGS

- Notable improvement of thermal and acoustic insulation;
- Perfect humidity resistance, suitable for bathrooms, pools, saunas, etc.;
- Considerable increase of fire resistance time of the buildings;
- Dimensional stability of the tiles;
- Fast and easy to assemble;
- Lightweight and easily handled;
- Harmless to man, no requirements for special means of protection;
- Not an environment for rodents and micro-organisms;
- Good long term ceiling aesthetics.

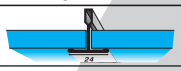


542 Structuur

PACKING

Cardboard boxes with the name of the manufacturer and the basic product data printed on the label.

DIMENSIONS, PRODUCT RANGE AND PACKING

Edge Details	Symbol	Thickness (mm)	Length (mm)	Width (mm)	m²/pack	Weight / m²
	A	20	600	600	11.52	2.80
		20	1200	600	11.52	2.50

TECHNICAL PARAMETERS

Typical Features	Symbol	Value			Unit			Standard
Density	ρ	~ 80			kg /m³			EN 1602
Reaction to fire	*A1*	Non combustible			-			EN 13501-1
Fire classification using data from fire resistance tests, excluding ventilation services	-	60			min			EN 13 501-2
Relative humidity at 40ùC	*RH*	100			%			EN 13 964
Average Sound Absorption Coefficient by the REVERBERATION ROOM METHOD	-	1000			Class			ASTM C 423 REV A
Radiometric and photometric properties Structuur (542)	*100 Lux*	83.2			%			ISO 7724-2
Dimensional stability under specified t - 35ùC and humidity conditions 48h	-	< 1			%			EN 1604
24 h short term water absorption by partial immersion	W_p	< 1			kg/m²			EN 1609
Medium thermal resistance - λ_D	λ_D	0.039			W / m.K			EN 12667/ISO 8302
Measurement of sound absorption in a reverberation room α_s (of 20cm suspended ceiling)	Hz	125	250	500	1000	2000	4000	EN ISO 20354
	α_s / δ = 20mm	0.50	0.77	0.88	0.81	0.92	0.96	
Laboratory measurement of room-to-room airborne sound insulation of a suspended ceiling with a plenum above it	*Dncw*	52			dB			EN ISO 20 140 – 9
Bulgarian Technical Approval	Protocol № 00-527 /12.12.2005			SRICM, Sofia				EN 13 964
Sanitary Permit	№ 2066 / 1966 by Bulgarian Ministry of Health							
Quality Management System	Certificate № 650671 / 13.01.2006			Lloyd's Register Quality Assurance				ISO 9001:2000

Any information contained in this datasheet 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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