ROCKWOOL Rockfon®

HYGIENIC AND ACOUSTIC HUMIDITY RESISTANT SUSPENDED CEILINGS

DATASHEET

HYDROCLEAN 12

ACOUSTIC AND HYGIENIC, HUMIDITY RESISTANT SUSPENDED CEILINGS BOARDS

PRODUCT DESCRIPTION



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

APPLICATION

ROCKFON HYDROCLEAN ceilings are extremely appropriate at respecting cleanness, hygiene and safety requirements places, such as: hospitals, laboratories, sanatoriums, micro chips producing departments, white rooms, computer centres, special pharmaceutical and food industry branches, etc.

SPECIFIC PROPERTIES OF ROCKFON SUSPENDED CEILINGS



- Boards are especially acceptable for respecting cleanness and hygiene buildings;
- 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.

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
Clean rooms classification	-	10			Class			FD 209 D
Reaction to fire	A_1	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
Radiometric and photometric properties	*100 Lux*	85			%			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	0.039			W./ m.K			EN 12667/ISO 8302
Measurement of sound absorption in a reverberation room (of 20cm suspended ceiling)	Hz	125	250	500	1000	2000	4000	EN ISO 20354
	α_s / δ = 20mm	0.50	0.75	0.82	0.79	0.91	0.89	
Test Method for Sound Absorption	*NRC*	0.85			-			ASTM C 423 REV A
Average noise reduction coefficient	α_w	0.85			-			EN ISO 20354
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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