CI/SfB (35) Sm1
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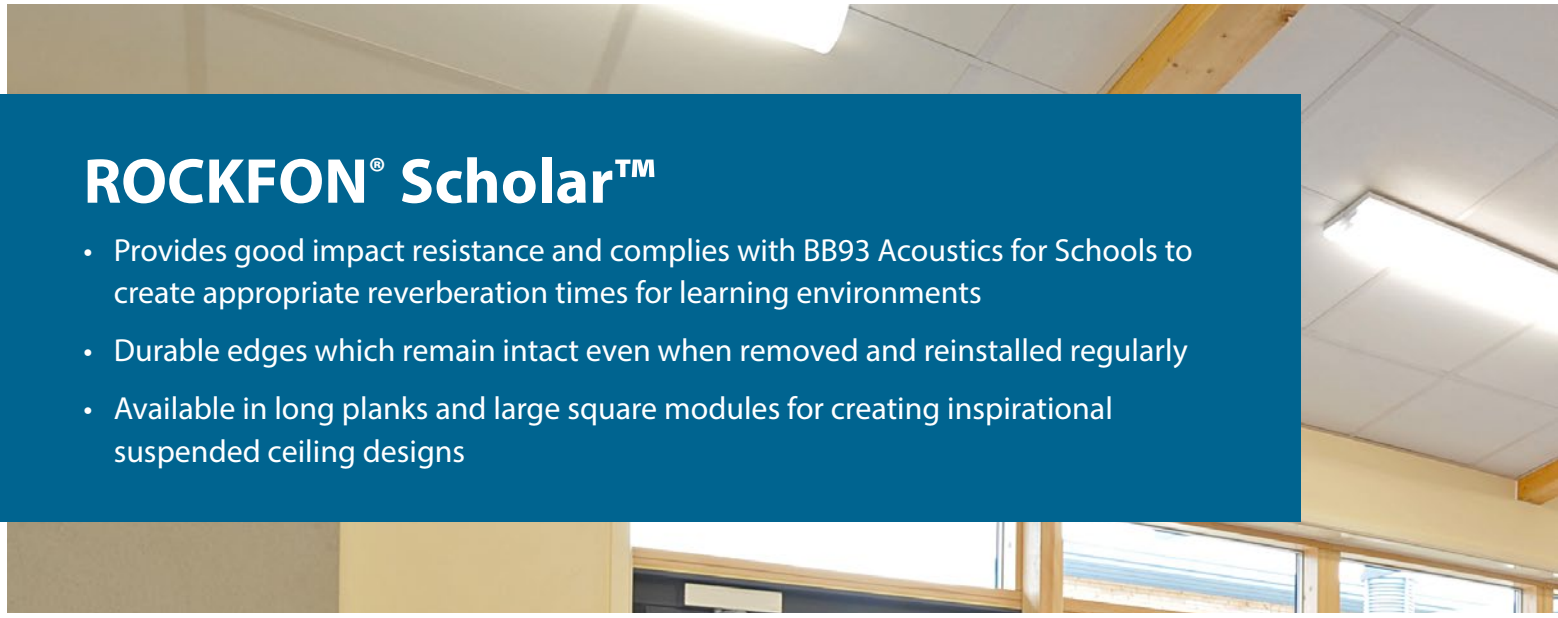
ROCKFON® Scholar™

ROCKWOOL Rockfon®

CREATE AND PROTECT®



ROCKFON® Scholar™

- Provides good impact resistance and complies with BB93 Acoustics for Schools to create appropriate reverberation times for learning environments
- Durable edges which remain intact even when removed and reinstalled regularly
- Available in long planks and large square modules for creating inspirational suspended ceiling designs

PRODUCT DESCRIPTION

- Stone wool tile with concealed mesh
- Visible side: micro-textured white reinforced fleece
- Rear side: back fleece
- Durable and enhanced, painted edges

ASSORTMENT

Edge detail	Module size (mm)	Weight (kg/m²)	MS / MS easy access (mm)	Recommended installation system
A24 	600 x 600 x 20	2.3	50 / 100	ROCKFON System T24 A/E
	600 x 600 x 20	2.3	50 / 100	ROCKFON System XL T24 A/E
	1200 x 600 x 20	2.3	50 / 100	ROCKFON System T24 A/E
	1800 x 600 x 20	2.3	50 / 100	
	1800 x 600 x 20	2.3	50 / 100	ROCKFON System XL T24 A/E
	2100 x 600 x 20	2.3	50 / 100	ROCKFON System T24 A/E
	2400 x 600 x 20	2.3	50 / 100	
	600 x 600 x 40	4.1	50 / 200	
	1200 x 600 x 40	4.1	50 / 200	
	1800 x 600 x 40	4.1	50 / 200	
	2400 x 600 x 40	4.1	50 / 200	

MS = Minimum Suspension

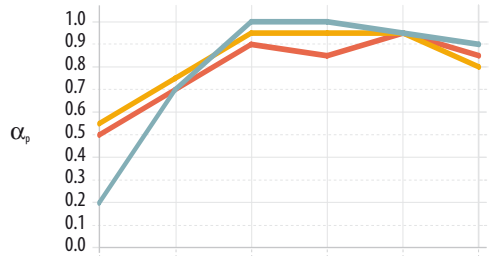
Impact resistance

Impact resistant front surface and reinforced edges.

PERFORMANCE

Sound absorption

α_w: up to 0.95 (Class A)



Thickness (mm) / Suspension (incl. tile - mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC
20 / 200	0.50	0.70	0.90	0.85	0.95	0.85	0.90	A	0.85
40 / 200	0.55	0.75	0.95	0.95	0.95	0.80	0.95	A	0.90
40 / 40	0.20	0.70	1,00	1,00	0.95	0.90	0.95	A	0.90

Reaction to fire

A1

Light reflection

86%

Humidity and sag resistance

Up to 100% RH
1/C/0N

Cleaning

- Vacuum
- Damp cloth

Hygiene

Stone wool provides no sustenance to microorganisms

Environment

Fully recyclable

Indoor environment

A selection of ROCKFON products have been awarded

Thermal insulation

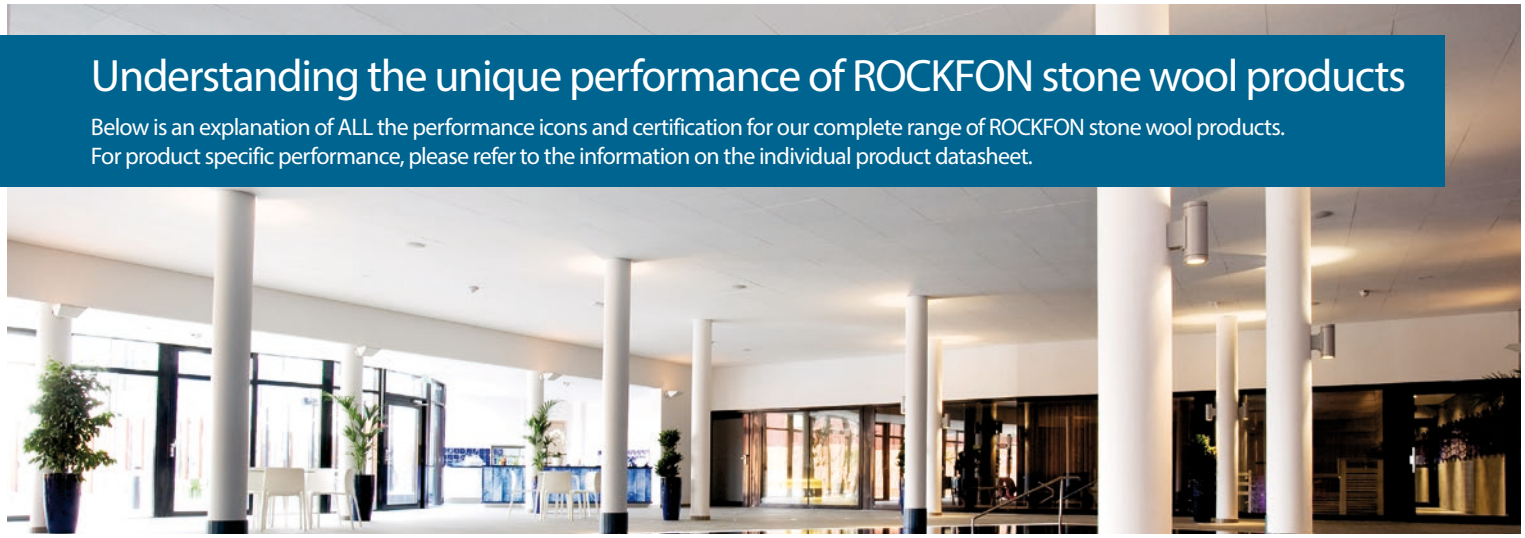
Thermal conductivity:
λ_D = 37 mW/mK (40mm)

Fire protection

The fire resistant properties of stone wool ensure ROCKFON ceiling tiles provide fire protection in construction. The fire protection properties of ROCKFON ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms depending on requirements in national building codes.
Some sizes and edge details of ROCKFON Scholar can be used with various Chicago Metallic grids and ROCKFON systems to create a 60 minutes fire protecting ceiling in accordance with BS 476 Part 21 and Part 23. They can also be used to create a 30 minutes fire protecting membrane ceiling (integrity only) in accordance with BS 476 Part 22.

Understanding the unique performance of ROCKFON stone wool products

Below is an explanation of ALL the performance icons and certification for our complete range of ROCKFON stone wool products.
For product specific performance, please refer to the information on the individual product datasheet.



Sound absorption

Sound absorption is measured in accordance with ISO 354. Sound absorption data α_p, α_w and absorption class are calculated in accordance with ISO 11654. Sound absorption properties of islands and baffles are quantified by the equivalent sound absorption area A_{eq} expressed as m^2 per item.

Room-to-room sound insulation

Room-to-room sound insulation $D_{n,f,w}$ ($C;C_{tr}$) is measured in accordance with ISO 10848-2.

Direct sound insulation

Sound reduction index R_w ($C;C_{tr}$) is measured in accordance with ISO 140-3.

Reaction to fire

Reaction to fire is classified in accordance with EN 13501-1.

Fire protection

The stone wool core of ROCKFON products is non-combustible with a melting point of more than 1000°C and provides fire protection. Some ROCKFON ceilings have been tested and classified in accordance with European norm EN 13501-2 and/or national norms.

Light reflection

Light reflection expressed in % is measured in accordance with ISO 7724-2.

Humidity & sag resistance

ROCKFON ceiling tiles are dimensionally stable even at humidity levels of up to 100% relative humidity and can be installed at all temperatures ranging from 0°C to 40°C. They can be installed during the very early stage of the build (when windows are not fully sealed). Their lightweight yet stable non-hygroscopic character minimises the final weight of the fully-installed ceiling. ROCKFON ceiling tiles are predominantly classified as Class 1/C/0N in accordance with EN 13964. Certain module sizes (width above 700mm) are Class 2/C/0N.

Surface durability

The surface of some ROCKFON products is specially treated to provide enhanced durability and dirt resistance.

Cleaning

Vacuum:
The surface can be vacuum cleaned with a soft brush attachment.
Damp cloth:
The surface can be cleaned using a damp cloth or sponge with a slightly alkaline detergent (pH between 7 and 9) without alcohol, ammonia or chlorine. This may render the surface slightly shinier, so we recommend cleaning the entire surface evenly.

Hygiene

Stone wool provides no sustenance to the following microorganisms tested in accordance with JIS Z 2801:2000 and ASTM C 1338-96:

– Escherichia coli
– Staphylococcus aureus
– Methicillin-resistant staphylococcus aureus (MRSA)
– Stachybotrys chartarum
– Penicillium brevicumpactum
– Alternaria tenuissima
– Aspergillus niger
– Sporobolomyces roseum
– Rhodotorula rubra

Clean room

Clean room classification is measured in accordance with ISO 14644-1.

Thermal insulation

The thermal conductivity of products with a thickness ≥ 30mm is measured in accordance with EN 12667 and expressed in mW/mK. Thermal resistance is expressed in m^2K/W.