

DATASHEET

Rockfon® Industrial Opal



Sounds Beautiful

Rockfon® Industrial Opal



- Soft structured off-white surface that can be used either as a ceiling or place behind other surfaces
- High sound absorption (Class A) and the highest fire safety (Class A1)
- Basic range of dimensions and edges

Product Description

- Stone wool tile
- Visible side: pre-finished surface
- Rear side: back fleece

Application Areas

- Industry
- Retail

Edge detail	Module size (mm)	Weight (kg/m ²)	MS / MS easy access (mm)	Recommended installation system	Recycled content	Cradle to Cradle Certified®	A1-A3 Production stage impact (kg CO ₂ eq/m ²)*	A1-C4 Full life cycle impact (kg CO ₂ eq/m ²)*
 A24	1200 x 600 x 50	4,0	50 / 200	Rockfon® System T24 A™	39%		3,38	4,49
	1200 x 1200 x 50		50 / 200	Rockfon® System T24 A™				
	1200 x 600 x 80	6,1	80 / 250	Rockfon® System T24 A™	39%		4,42	6,25
	1200 x 600 x 100	7,5	100 / 300	Rockfon® System T24 A™			5,43	7,71

MS = Minimum suspension

MS easy access = Minimum suspension - tiles demountable

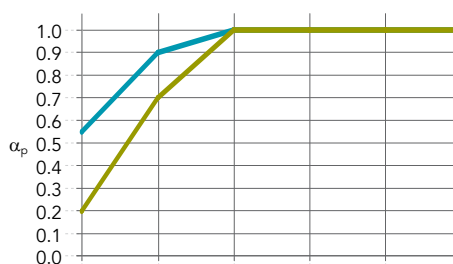
* For full environmental impact disclosure, see our product EPDs available on rockfon.link/cee-epd. Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



Performance



Sound absorption
 α_w : 1,00 (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
50-100 / 200	0.55	0.90	1.00	1.00	1.00	1.00	1.00	A	1.00
50 / 50	0.20	0.70	1.00	1.00	1.00	1.00	1.00	A	1.00



Reaction to fire
 A1



Light reflection
 64 %



Humidity and sag resistance
 Up to 100% RH.
 No visible deflection in high humidity
 C/0N



Cleaning
 - Vacuum



Hygiene
 Stone wool provides no sustenance to microorganisms



Thermal insulation
 Thermal conductivity:
 $\lambda_D = 37 \text{ mW/mK}$



Recyclability
 Fully recyclable stone wool



Indoor environment
 Rockfon ceiling products are classified in Class E1 in accordance with EN 13964 (EN 717-1). Rockfon ceiling products have a very low release of VOCs. A selection of Rockfon products have achieved the following performance levels and labels in indoor air emissions:



Material Health
 All materials used in Rockfon products are screened against the list of substances restricted under REACH and do not contain substances of very high concern (SVHC). Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

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