Rockfon Sonar dB 46

Rockfon Sonar dB 46 has excellent light reflection, painted edges for durability in corporate offices or facilities that require frequent access to the ceiling plenum. Tiles are light-weight and posses very high acoustic performance up to NRC 0.90. Rockfon Sonar dB 46 has the additional benefit of room-to-room sound security when plenum barriers are impractical.

Physical Description

- Dual-layer stone wool tile with inner acoustic membrane
- Visible side: Micro-textured white painted fleece
- Rear side: back fleece
- Durable painted edges

Application Areas

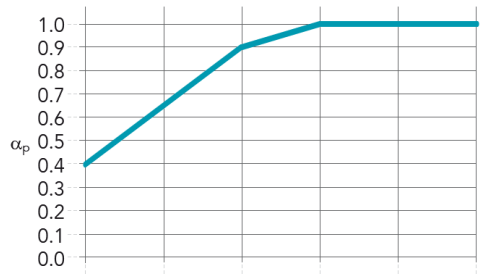
- Office
- Education
- Healthcare

Acoustic Properties

NRC: 0.90 to ISO354

Dn,f,w: 46dB to ISO 10848

Rw: 25



Thickness (mm) / Suspension (incl. tile - mm)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC
50 / 200	0.40	0.65	0.90	1.00	1.00	1.00	0.90	A	0.90

What is Rockfon?

All Rockfon products comprise a non-combustible stone wool core that is non-hygroscopic and provides no sustenance for mould and microbes. The use of a backing fleece improves product performance and resilience, ensuring panels remain free from fractures and site-damage where panels are subject to frequent demounting. Products will maintain dimensional stability in environments with fluctuating humidity up to RH100. All Rockfon Materials are warranted against manufacturing defects for 15-Years and have a declared service life of not less than 50-Years

Rockfon Sonar dB 46

Material Properties

- Stone wool is non-hygroscopic and provides no sustenance for microbes
- Up to RH100 - No visible deflection to EN 13964
  No on-site acclimatisation required
- Vacuum and damp cloth clean.
  Chemical resistance: resistant to diluted solutions of ammonia, chlorine and hydrogen peroxide
- Light Reflectance 85% to ISO 7724-2
- 44% Recycled Content to ISO-14021. Recyclable at end-of-life
- Non-combustible to AS1530.1
  Group 1 to AS5637.1:2015
- LEED v4.0 Certification. Low emission
- Thermal R-Value: 1.25m2K/W
- Up to 15-years warranty against manufacturing faults
  Refer to warranty and installation guidelines

Example Specification Wording

CT-01 Acoustic Ceiling Tile
Material: Rockfon Sonar dB46
Format: 1200 x 600mm Square Lay-In A24 edge
Finish: Micro-textured white non-perforated fleece to front, buff rear fleece
Sound Absorption: Up to 0.90NRC to ISO 354
Sound Attenuation: Dn,c,w 46dB to ISO 10848
Light Reflectance: 85% to ISO 7724-2
Moisture: RH100 sag-resistant non-hygroscopic antimicrobial stone wool core
Fire: Non-Combustible to AS1530.1 & Group 1 to AS5637.1:2015
Warranty: Up to 15-Years against manufacturing defects and visible sag
Lead Time: Allow 14-weeks for project quantities
Sustainability: LEED v4.0 Certification

Example Image

Format Options

Edge Detail*	Tile Format (mm)*	Approximate Weight (kg/m2)	T-Grid Description
A24	600 x 600 x 50	7.9	Square Lay-In 24mm T-grid
	1200 x 600 x 50		
E24	600 x 600 x 50	7.9	Recessed Lay-In 24mm T-grid
	1200 x 600 x 50		
D	600 x 600 x 50	7.9	Shiplap on 24mm T-grid
	1200 x 600 x 50		

Supplied by

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