



Part of the ROCKWOOL Group

Rockfon® Mono® Acoustic

MONO BY NAME, MULTIPLE BY NATURE



MONO
BY NAME,
MULTIPLE
BY NATURE





Modern monolithic architecture calls for undisturbed, expressive surfaces. Modern building design requires good acoustics, convenience and flexibility. Rockfon® Mono® Acoustic brings the two together with amazing results.

Flat or curved. White or custom colour. Ceilings or walls. Rockfon Mono Acoustic is more than a ceiling. It's a surface solution designed to enrich the beauty of your monolithic design while delivering a world of practical benefits. Beauty and brains.

All in one to shape your world.

WORLD OF DESIGN





Novo Nordisk, Denmark

Bring a crisp, clean monolithic aesthetic to the ceiling and walls of any space. New build or renovation, large projects or small, all are possible with Rockfon Mono Acoustic.

- **Smother than ever.** Made with marble powder, the new render produces a smoother, more refined surface that perfectly complements any interior design.
- **Ideal for any space.** Bring monolithic surfaces to retail, offices, education and public areas.
- **Any size project.** Rockfon Mono Acoustic is suitable for large and small projects because it can be installed as seamless spans, ceiling islands or walls.
- **Adapts to any use.** It allows for easy integration of lighting, air conditioning and ventilation systems.



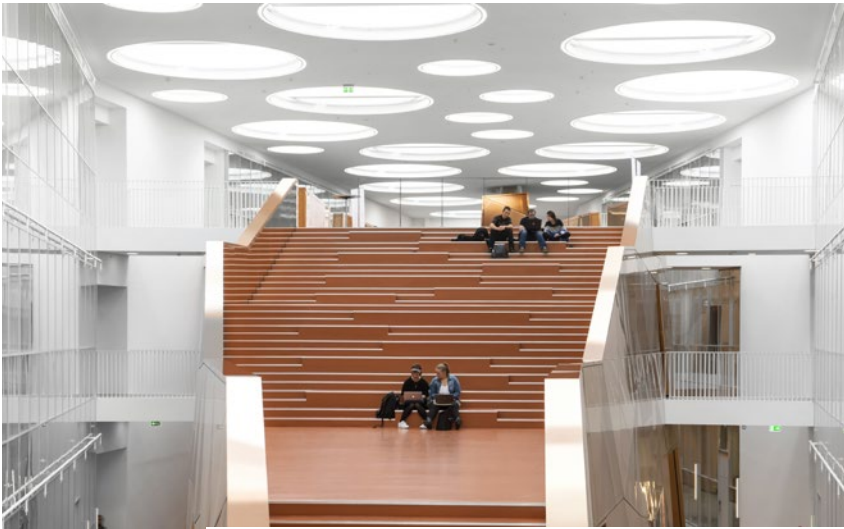
Puerto Venecia, Spain

Rockfon Mono Acoustic lets you shape and curve its surface, enabling you to realise the signature look you're trying to achieve.

- **Shape it.** It can be installed sloping, flat or curved, in a suspension grid or directly mounted.
- **More than a ceiling.** Rockfon Mono Acoustic isn't restricted to horizontal grid installation. It can be directly mounted on existing ceilings and walls. When used vertically, it can remove the need for wall absorbers.
- **White or custom colour.** The color of the ceiling is determined by the render. The standard white surface is extremely bright, offering a 99% light diffusion, which creates a comfortable work environment and can reduce the need for artificial lighting. You can also customise the colour to meet your needs.

WORLD OF CONTOURS





SDU Odense, Denmark

Due to its sharp angles and flat surfaces, monolithic architecture can be an acoustic challenge but with Rockfon Mono Acoustic, monolithic rhymes with great acoustics.

The new render of Rockfon Mono Acoustic provides a smooth, elegant surface while simultaneously letting the sound propagate through the surface and be absorbed by the backing. You always benefit from:

- **Class A** (α_w :0.90-1.00) sound absorption, eliminating the need for other sound absorbing materials and keeping your monolithic design as pure as possible.

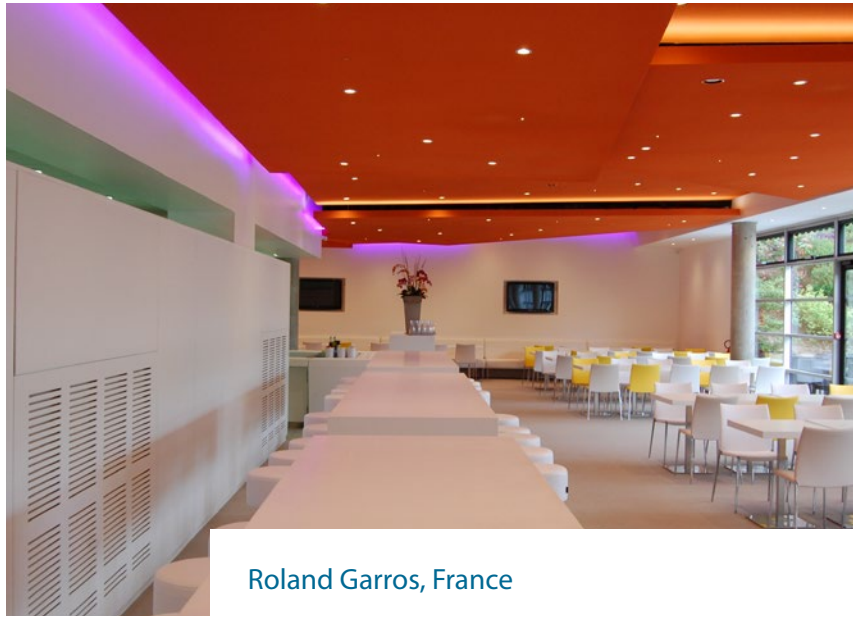


WORLD OF QUIET



WORLD OF SIMPLICITY





Roland Garros, France

Rockfon Mono Acoustic is designed to deliver value for money along with monolithic design and acoustic performance.

- **Installation peace-of-mind.** By using our network of certified installers you benefit from a high quality service from start to finish. Our installation is faster than ever thanks to the formulation of the new spray-on render.
- **Hidden access.** Inspection hatches can be sprayed with render and thus integrated seamlessly into the surface.
- **Easy to own.** Repairs and cleaning can be carried out without affecting the design or acoustic performance, thereby increasing the lifetime of the surface.

Rockfon® Mono® Acoustic



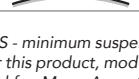
- Perfect for ceilings and walls, the innovative monolithic surface delivers outstanding acoustic comfort and fire protection
- Flat or curved. White or custom colour. Direct or suspended installation. A unique design solution for new build or renovation projects alike
- The refined white surface provides high light reflection and light diffusion, ensuring even light distribution and reducing the need for artificial light
- A completely seamless system that allows for easy integration of all services and the possibility to repair the surface

Product Description

- Monolithic system comprising a 40mm stone wool panel, filler and render
- Visible side: elegant and refined seamless acoustic render, available in white or custom colours
- Rear side: high performance membrane (Rockfon Mono Acoustic Direct is supplied with a mineral fleece)

Application Areas

- Office
- Education
- Leisure
- Retail

Edge detail	Module size (mm)	Weight (kg/m ²)	MS / MS easy access (mm)	Recommended installation System
 TE Elegant Render	1200 x 1200 x 40	6.0	90 / Not demountable	Rockfon® System Mono Acoustic™
	1800 x 1200 x 40	6.0	90 / Not demountable	Rockfon® System Mono Acoustic™
 Direct TE Elegant Render	1200 x 1200 x 40	6.0	40 / Not demountable	-
	1800 x 1200 x 40	6.0	40 / Not demountable	-
 Flecto TE Elegant Render	1200 x 1200 x 40	6.0	40 / Not demountable	-
	1800 x 1200 x 40	6.0	40 / Not demountable	-

*MS - minimum suspension

For this product, module size = exact dimension

Rockfon Mono Acoustic Direct can only be installed directly to a soffit or wall.

Performance



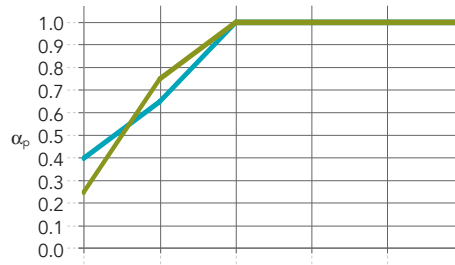
Sound absorption

α_w : up to 1.00 (Class A)



Direct sound insulation

$R_w(C;C_{tr}) = 22 (-2;-3)$ dB



Thickness (mm) /
Suspension (incl. tile - mm)

	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	α_w	Absorption class	NRC
Elegant Render 40 / 220 *	0.40	0.65	1.00	1.00	1.00	1.00	0.95	A	0.90
Elegant Render 40 / 40 **	0.25	0.75	1.00	1.00	1.00	1.00	1.00	A	0.95

* Rockfon Mono Acoustic panels

** Rockfon Mono Acoustic Direct panels

Sound absorption values are valid for flat surfaces.



Reaction to fire

A2-s1,d0



Light reflection and light diffusion

87% light reflection
>99% light diffusion



Humidity and sag resistance

Up to 100% RH.
No visible deflection in high humidity



Cleaning

- Vacuum



Hygiene

Stone wool provides no
sustenance to microorganisms



Visual appearance

L value: 94.5

The whiteness (L value) of the product is tested in accordance with ISO 7724 and measured on a scale from 1 (black) to 100 (white).



Environment

Fully recyclable



Indoor environment

A selection of Rockfon
products have been awarded



Fire protection

Rockfon Mono Acoustic achieves up to 60 min. in accordance with European test standards and national approvals. Please contact Rockfon for fire resistance documentation.

All performance properties presented in the datasheet are based uniquely on the white surface.

All colours can influence product performances. Please contact Rockfon customer service for more information.





South Shields Library, United Kingdom

Rockfon® is a registered trademark
of the ROCKWOOL Group.

12.2017 | All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on license from NCS Colour AB, Stockholm 2012
or the RAL colour standard. Subject to alterations in range and product technology without prior notice. Rockfon accepts no responsibility for printing errors.



Rockfon

ROCKWOOL Limited T/A Rockfon
14th Floor, Chiswick Tower, 389 Chiswick High Road,
London W4 4AL

Tel: +44 (0) 208 222 7457

Fax: +44 (0)20 8222 7458

www.rockfon.co.uk