



# Product Sustainability Declaration ROCKFON® Mono® Acoustic

## OUR SUSTAINABLE COMMITMENT

Our commitment to sustainability is guided by our deep-rooted values and the ROCKWOOL commitment to enrich the lives of everyone who comes into contact with our products.

ROCKFON high-quality ceiling solutions provide excellent longevity and life-cycle value. Our ceiling solutions deliver acoustic comfort by reducing noise and sound reverberation, helping to improve working, learning and healing environments.

Our product sustainability declaration is set around major sustainability building schemes, detailing the sustainable characteristics of this product. The document helps provide a clear and quick overview to architects, specifiers and property owners alike.

## THE SUSTAINABILITY DECLARATION

- Sourcing of raw materials
- Environmental product declarations
- Indoor health properties
- Material ingredients
- Corporate sustainability reporting



## LEED® V4 HIGHLIGHTS

<b>Materials and resources (MR)</b>	
Construction & Demolition Waste Management Planning	✓
Interiors Life Cycle Impact Reduction - Design for Flexibility	✓
Building product disclosure and optimisation - environmental product declarations	✓
Building product disclosure and optimisation - sourcing of raw materials	✓
Building product disclosure and optimisation - material ingredients	✓
Construction and demolition waste management	✓
<b>Indoor Environmental Quality (EQ)</b>	
Low-emitting materials	✓
Interior lighting	✓
Acoustic Performance	✓

## BREEAM® INTERNATIONAL HIGHLIGHTS

<b>Health and Wellbeing</b>	
Hea 01 Visual comfort	✓
Hea 02 Indoor quality	✓
Hea 05 Acoustic performance	✓
<b>Materials</b>	
Mat 01 Life cycle impacts	✓
Mat 03 Responsible sourcing of construction products	✓
Mat 06 Material efficiency	✓
<b>Waste</b>	
Wst 01 Construction waste management	✓
Wst 04 Speculative finishes	✓
Wst 06 Functional adaptability	✓

## PERFORMANCE



### Sound absorption

$\alpha_w$ : up to 1.00 (Class A)



### Light reflection

78% (white)



### Reaction to fire

A2-s1,d0  
(white)  
For colours, please  
contact ROCKFON



### Humidity and sag resistance

Up to 100% RH  
ROCKFON Mono Acoustic can be used in swimming pools provided it is not exposed to condensation, splashing water or water droplets. The suspension system components must be enhanced corrosion resistant (ECR) and the plenum well ventilated. For more information, please contact ROCKFON.



### Environment

Fully recyclable



### Hygiene

Stone wool provides no sustenance to microorganisms



## ENVIRONMENT

---

### SOURCING OF RAW MATERIALS

#### Recycled content

The average recycled content of the mineral wool core in ROCKFON products is 44%. Including facings (paint and glass fleeces) the recycled content of the full product is between 32 and 43% according to ISO 14021.

The recycled content is primarily post-industrial/pre-consumer.

The information provided under recycled content is self-declared.

#### Responsible sourcing

76% of all suppliers identified as key suppliers to the ROCKWOOL Group have currently signed the ROCKWOOL Code of Conduct for Suppliers.

The ROCKWOOL Code of Conduct addresses laws and standards compliance, equal opportunities, trade union recognition, fair employment, safe and healthy working conditions, no child labour, sound environmental principles, purchasing ethics and bribery.

#### End-of-life recycling

This product is applicable for upcycling or end-of-life recycling at the nearest local ROCKWOOL recycling plant. All returned waste products will be upcycled to virgin fibres used for new stone wool products. Recycling construction and demolition waste reduces the amount of waste that is sent to landfill and incineration facilities.

### ENVIRONMENTAL PRODUCT DECLARATIONS

Self-declared EPDs are based on data generated by The Right Environment and verified against the EN15804 EPD standard by an independent third party.



## PRODUCT HEALTH

---

### LOW EMITTING MATERIALS

#### Low Emissions

This product is certified for low emissions. Laboratories employed by ROCKFON are accredited under ISO/IEC 17025 for the applied test methods. Please consult the emissions table on the following page for additional information.

### MATERIAL INGREDIENTS

#### Material ingredients

ROCKFON materials are regularly screened against the REACH candidate list; biocides/pesticide, flame retardants Azodyes, nitrosamines and aromatic amines, halogenated compounds, nanomaterials, plastic softeners, surfactants and classified substances, among others, by an independent third party (Alttox Ltd). General cut off concentrations 100 ppm. Stone wool inventory threshold 1000 ppm (0.1%).

#### Fibres

The ROCKFON stone wool core is a non-hazardous material to work with. This fact is supported by the decision of the World Health Organisation's International Agency for Research on Cancer (IARC) to exempt stone wool from its list of "possibly cancer causing agents".

ROCKFON stone wool core is certified to comply with the Note Q for safe mineral wool fibres of EU Regulations (EC) No 1272/2008 and Directive 97/69/EEC.



## CORPORATE SUSTAINABILITY REPORTING

---




#### Sustainability reporting

The ROCKWOOL Group Sustainability report covers the calendar year and is in line with the Global Reporting Initiative (GRI G4) guidelines.

The report is available for download on [www.rockwool.com](http://www.rockwool.com).

## PRODUCT SUMMARY TABLE

The following table is categorised by edge type and provides all relevant information related to the products sustainability profile.

Edge detail	Module size (mm)	Recycled content	Emission Labels						Environmental Management System	Fibre Chemistry		Substance Screening		
			E1	Danish Indoor Climate Label	Blauer Engel	M1	SGBC	Singapore Green Label	ISO 14001	EUCEB	RAL	REACH	BREEAM NO A20 list	Screened According To RAL-UZ 132
	1200 x 1200 x 40	38%	✓	✓	-	-	-	✓	-	✓	✓	✓	✓	✓
	1800 x 1200 x 40	37%	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	✓
	1200 x 1200 x 40	38%	✓	✓	-	-	-	✓	-	✓	✓	✓	✓	✓
	1800 x 1200 x 40	37%	✓	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
	1200 x 1200 x 40	38%	✓	✓	-	-	-	✓	-	✓	✓	✓	✓	✓
	1800 x 1200 x 40	37%	✓	-	-	-	-	✓	✓	✓	✓	✓	✓	✓

## MATERIAL INGREDIENTS TABLE

ROCKFON stone wool acoustic ceiling tiles produced in Europe complies with REACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation

and Restriction of Chemicals (REACH). ROCKFON ceiling tiles do not contain substances of very high concern (SHVC) in concentrations >0.1%.

Substances	E.C. Number <sup>1)</sup>	Amount weight (%)	REACH Regulation	REACH substances registration number	Function
Stone wool	926-099-9	73-97%	Not classified	01-211-947-2313-44	Core insulation material
Binder, a thermoset inert polymer resin	Proprietary composition	<4%	Not classified	No number	Structural binder
Mineral oil	Proprietary composition	<0.2%	Not classified	No number	Water repellent
Non-woven glass wool facing	Proprietary composition	1-15%	Not classified	No number	Facing
Water based paints	Proprietary composition	0-16%	Not classified	No number	Decorative finish
Glue	Proprietary composition	0.01	Not classified	No number	Glue

1) E.C.: EC-no, determined by the European Commission for identifying materials

### ROCKFON

ROCKWOOL Limited T/A  
ROCKFON  
Tel: +44 (0) 208 222 7457  
www.rockfon.co.uk

11.2016 | This document is valid 3 years from date created.

All colour codes mentioned are based on the NCS - Natural Colour System® property of and used on licence from NCS Colour AB, Stockholm 2010. Subject to alterations in range and product technology without prior notice. ROCKFON accepts no responsibility for printing errors.

ROCKFON is a subsidiary of ROCKWOOL International A/S, the world's largest producer of stone wool products and second-largest insulation producer. ROCKFON stone wool acoustic ceiling and wall solutions are a fast and simple way to create beautiful, comfortable spaces. Easy to install and durable, they protect people from noise and the spread of fire while making a constructive contribution towards a sustainable future.

Please ensure that you are using the product sustainability declaration relevant for your country/region. Our products and solutions are available across a number of countries and our website features product information and product downloads that may vary from country to country. Product range, product data and product documentation found on a country-specific website is intended for use ONLY in that particular country unless otherwise explicitly stated so.

This document may include technical inaccuracies or typographical errors. In no event shall ROCKWOOL International A/S be liable for any direct, indirect or consequential damages or any other damages whatsoever resulting from loss of use, data or profits, whether in an action of contract, negligence or other action, arising out of or in connection with the use of information available from this document.

COPYRIGHT NOTICE. Copyright © ROCKWOOL International A/S, Hovedgaden 584, 2640 Hedehusene, Denmark. All rights reserved.