

# **ROCKWOOL** **Insulation contribution**

– to BREEAM-NOR certified buildings



# How ROCKWOOL stone wool contribute to your certification

The construction materials used in your building can have a large impact on your certification. In order to earn points it is important to choose materials that meet certain criteria within health, safety and the environmental impact throughout their life cycle.

In this document we have highlighted all areas where you are awarded points when using ROCKWOOL solutions. All relevant documentation needed to complete your certification scheme can be found in our documentation assistant: [docassist.rockwool.com](https://docassist.rockwool.com).

At ROCKWOOL, we transform volcanic rock into stone wool products that address many of society's biggest climate challenges. Our hope is that our solutions can help enrich modern living so that we can build safer, healthier, and more climate resilient communities that can stand the test of time. For more than 80 years we have delivered quality insulation to buildings all around the world and our durability is well documented. Even after more than 65 years, our products perform as well as the day they were installed.

Reference document:

BREEAM-NOR v6.0  
New construction  
Ver: SD5076NOR

Jan 31, 2023

Approved: CJK

Market scope: N

Product scope: ROCKWOOL insulation  
products

## Documentation Assistant

To support your documentation requirements, ROCKWOOL has collected all available sustainability documentation on [docassist.rockwool.com](https://docassist.rockwool.com) for direct download as full packages or a single files.

Documentation for download	BREEAM-NOR v6 sections and issues	
Retursystem-Byggeplasser Recycling – Construction site returns	Wst 01	Construction waste management
Retursystem-Renovering og rivning Recycling – Demolition/renovation returns	Mat 06	Material efficiency and reuse
Hånteringsveiledning ROCKWOOL safe handling instructions	Man 03	Responsible construction practices
EPD Miljøvaredeklarasjon (Environmental product declaration)	Man 01	Project brief and design
	Mat 01	Environmental impacts from construction products - LCA and GHG calculations
	Mat 02	Environmental impacts from construction products - Product requirements
M1 Emisjonssertifikat Emission classification	Mat 02	Environmental impacts from construction products - Product requirement
Sikkerhetsdatablad & Innholdsdeklarasjon Safety Data sheet and Supplier content declaration	Mat 02	Environmental impacts from construction products - Product requirement
DoP Ytelseserklæring Declaration of Performance	Man 01	Project brief and design
	Hea 05	Acoustic performance (density)
	Ene 01	Building energy performance
	Ene 05	Energy efficient cold storage
	Mat 02	Environmental impacts from construction products - Product requirement
	Mat 05	Designing for durability and climate adaption
ISO 14001-certification (listet in current document)	Pol 05	Reduction of noise pollution (density)
	Mat 03	Responsible sourcing of construction products
Supplier declaration: Recycled content (listet in current document)	Mat 06	Material efficiency and reuse



# Support: tools, guides and technical service

ROCKWOOL offers a suite of tools and guides that can support the certification process, eg:

- ➔ Detail drawings (CAD)
- ➔ Installation guides
- ➔ Design guides
- ➔ Energy calculation programs
- ➔ Material calculators for roofs and systems

All guides and tools are free and can be downloaded directly via [www.rockwool.no](http://www.rockwool.no)

If you are missing any information, please reach out ROCKWOOL technical service ([rockwool@rockwool.no](mailto:rockwool@rockwool.no)), who will seek to guide you to the required information.



## How ROCKWOOL stone wool insulation can contribute to BREEAM-NOR across themes and criteria

BREEAM Categories & Issues where ROCKWOOL stone wool insulation can support achievement of credits		Achievable Credits
Management		
Man 01	<b>Project brief and design</b> ROCKWOOL stone wool insulation can support a broad range of sustainability objectives, eg: <ul style="list-style-type: none"><li>– Closed loop recycling.</li><li>– No addition of flame retardants or biocides.</li><li>– Product specific full life cycle EPDs.</li><li>– ISO 14001 certified production.</li></ul>	5
Man 02	<b>Life cycle cost and service life planning</b> ROCKWOOL stone wool is a durable product, that will continue to maintain a low energy consumption throughout the life span of the building and will maintain mechanical and thermal properties and thus fire resistance, more than 55 years after installation.	3
Man 03	<b>Responsible construction practices</b> The unique circular ROCKWOOL Rockcycle return scheme secures that all surplus insulation material can be returned to the nearest ROCKWOOL facility, where it will be recycled into new insulation material.  ROCKWOOLs production is ISO 14001 certificated. Safe Handling instructions for ROCKWOOL stone wool are available for download.	7

BREEAM Categories & Issues where ROCKWOOL stone wool insulation can support achievement of credits		Achievable Credits
Health and Wellbeing		
Hea 03	<b>Thermal comfort</b> With a constant lambda value, year after year, ROCKWOOL stone wool insulation contributes to the thermal comfort of any building.	3
Hea 05	<b>Acoustic performance</b> The acoustic properties of ROCKWOOL stone wool insulation absorb sound, reduces sound transmission through constructions and damps vibration. ROCKWOOL Insulation products has a density in the range of: ( <i>Indsæt densitet</i> )	≤4
Energy		
Ene 01	<b>The energy performance of the building</b> ROCKWOOL stone wool with a constant lambda value, years after years. Rockwool stone wool insulation contributes to maintaining thermal comfort of any building and corresponding low operation energy requirements. A broad range of free energy optimisation tools are available for download via <a href="http://www.rockwool.no">www.rockwool.no</a> , eg: <ul style="list-style-type: none"><li>• U-verdi kalkulator (<a href="https://www.rockwool.com/no/downloads-og-tools/beregningsprogram/energiprogram/">https://www.rockwool.com/no/downloads-og-tools/beregningsprogram/energiprogram/</a>)</li><li>• Design details (Detaljtegninger)</li><li>• ROCKWOOL designguide "Den lille lune"</li></ul>	≤12
Ene 05	<b>Energy efficient cold storage</b> ROCKWOOL stone wool with a constant lambda, years after years, can be applied to reduce cold storage facilities energy consumption, by encapsulating the cold and shielding it from the adjacent heated spaces.	2
Materials		
Mat 01	<b>Environmental impacts from construction products – LCA and greenhouse gas calculations</b> ROCKWOOL 3rd party verified product specific EPDs are available via <a href="https://www.rockwool.com/no/">https://www.rockwool.com/no/</a> or at EPD-Norway. ROCKWOOLs EPDs are made according to the updated European standard EN 15804+A2:2019 and cover the full life cycle from cradle to grave. (A1-A5, C1-C4 and D).  With our EPD generator we can make product specific EPDs per request.  ROCKWOOL product range, on average, perform a 50% reduced greenhouse gas emission, throughout the lifecycle of the product, compared with the standardized database for ecological evaluation of building materials (ökobaudat).	5
Mat 02	<b>Environmental impacts from construction products – product requirements</b> With little organic content ROCKWOOL stone wool insulation contains no biocides or added flame retardants and fulfils requirements to environmental toxins.  EPDs: See Mat 01 <i>Comment: Products being listed for ECOPRODUCT.</i>	3

BREEAM Categories & Issues where ROCKWOOL stone wool insulation can support achievement of credits		Achievable Credits
Mat 03	<p><b>Responsible sourcing of construction products</b> ROCKWOOL Nordics four manufacturing facilities are all certified according to ISO 14001.</p> <p>The ROCKWOOL Supplier Code of Conduct (see attachment) is a pre-requisite to be qualified as a supplier to ROCKWOOL. ROCKWOOL expects suppliers to comply with all international, national and local laws and guidelines relating to employment, environmental and manufacturing practices as well as ethics and bribery. ROCKWOOL also expects suppliers to enforce these guidelines towards their suppliers. Exceptions may occur in the case of ad-hoc vendors for indirect materials and services.</p>	3
Mat 05	<p><b>Designing for durability and climate adaption</b> ROCKWOOL stone wool is proven to deliver consistent thermal insulation values for more than 55 years.</p> <p>The BREEAM Nor manual categorises thermal insulation as moisture sensitive materials. This is not true for ROCKWOOL stone wool insulation that is considered a water-repellent material that only absorbs water if it is pressed or pressed into the material. The stone wool is also open to diffusion, which means that the moisture is naturally transported out of the material.</p>	4
Mat 06	<p><b>Material efficiency and reuse</b> ROCKWOOL stone wool insulation has a documented recycling service called Rockcycle. All ROCKWOOL stone wool returned to one of our Nordic factories will be recycled and turned into new ROCKWOOL stone wool products. Reuse of prior installed insulation materials shall only done, if the product is documented to fulfil current requirements to eg fire, thermal properties etc.</p> <p>ROCKWOOL has a number of freely available design tools supporting material efficiency.</p>	3
Mat 07	<p><b>Design for disassembly and adaptability</b> ROCKWOOL stone wool insulation is expected to deliver constant fire safety and thermal insulation values for the life span of the building.</p> <p>Following refurbishment of demolition, ROCKWOOL stone wool can be sorted and returned to ROCKWOOL for recycling into new ROCKWOOL stone wool products. as long as it equal to the building structure.</p>	3
Waste		
Wst 01	<p><b>Construction waste management</b> All sorted ROCKWOOL stone wool insulation, can be returned to ROCKWOOL via the Rockcycle recycling scheme, where it will be recycled into new ROCKWOOL stone wool products.</p> <p>All waste handlers are eligible to return ROCKWOOL stone wool waste to a ROCKWOOL Rockcycle partner.</p>	2

BREEAM Categories & Issues where ROCKWOOL stone wool insulation can support achievement of credits		Achievable Credits
Land use and ecology		
LE 06	<p><b>Climate adaptation</b> In case of power surges during cold or hot seasons, ROCKWOOL stone wool can support passive strategies for thermal wellbeing and fire safety.</p>	1
Pollution		
Pol 05	<p><b>Reduction of noise pollution (non-residential only)</b> ROCKWOOL stone wool has an open and porous structure, which allows the stone wool to absorb sound, dampen unwanted noise and is an excellent choice for use in sound insulating constructions.</p>	1

Disclaimer  
 This document has been compiled for use as supporting documentation for application for a building certification scheme. ROCKWOOL cannot not guarantee that the presented documentation document will be accepted by the certification owner.

# Manufactures declaration:

## Recycled content of ROCKWOOL stone wool insulation

The average ROCKWOOL stone wool product contains **22%** recycled content, of which **17%** is content is reclaimed pre-consumer and the remaining **5%** is post-consumer.

Certificate: Keymark

3516

Certificate no. 004-SDG-5-137



**DANCERT**  
DANISH TECHNOLOGICAL  
INSTITUTE  
Dancert A/S  
Gregersensvej 1  
DK-2630 Taastrup  
Phone +45 72202160  
info@dancert.dk  
www.dancert.dk  
CVR no. DK-29512094

Dancert certifies that

**Thermal insulation products for buildings - Factory made mineral wool products**

delivered by

**ROCKWOOL Danmark A/S**  
Hovedgaden 501  
DK-2640 Hedehusene

and produced in the manufacturing plant(s)

**AS ROCKWOOL, Vaerlegt. 56, Postbox 55, NO-1531 Moss**  
**AS ROCKWOOL, Leangen Alle 1, NO-7044 Trondheim**  
**ROCKWOOL Danmark A/S, Industrivej 9-11, DK-6580 Vamdrup**  
**ROCKWOOL Danmark A/S, Rockwoolvej 2, Øster Doense, DK-9500 Hobro**

complies with the requirements of

**EN 13162:2012+A1:2015 Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specifications**  
**EN 13172:2012 Thermal insulating products - Evaluation of conformity**  
**Keymark Scheme rules for thermal insulation, version 2.1 Insulation Keymark Scheme for Thermal Insulation Products, Revision 2.1, 23 september 2019**

The conformity is assessed on the basis of the assessment activities described by Dancert's supplementary regulations for product certification for the actual product category.

The performance and/or classification of the products is specified at [www.dancert.com](http://www.dancert.com)

The certificate is valid from 05-05-2022 through 14-07-2023

The validity of the certificate can be verified at [www.dancert.com](http://www.dancert.com)

This certificate was first issued on 18-05-2002

For Dancert



Jørgen Baadsgaard-Jensen  
CEO



This PDF document is only valid if digitally signed by Dancert A/S

Certificate: ISO 14001

3521

Certifikat nr. 137-5



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CVR nr. DK-29512094

Dancert attesterer herved at

**Miljøledelsessystemet**

hos

**ROCKWOOL Danmark A/S**  
Hovedgaden 501  
DK-2640 Hedehusene

på følgende adresse(r)

**AS ROCKWOOL, Vaerlegt. 56, Postbox 55, NO-1531 Moss**  
**AS ROCKWOOL, Leangen Alle 1, NO-7044 Trondheim**  
**ROCKWOOL Danmark A/S, Industrivej 9-11, DK-6580 Vamdrup**  
**ROCKWOOL Danmark A/S, Rockwoolvej 2, Øster Doense, DK-9500 Hobro**

er i overensstemmelse med kravene i

**DS/EN ISO 14001:2015 Miljøledelsessystemer - Krav og vejledning**

**Gyldighedsområde:**  
Udvikling, produktion, salg og levering af mineraluld

Certifikatet er gyldigt fra 05-05-2022 til 17-06-2024

Certifikatets gyldighed kan verificeres på [www.dancert.dk](http://www.dancert.dk)

Certifikatet blev udstedt første gang 17-11-1997

For Dancert



Jørgen Baadsgaard-Jensen  
Adm. direktør



Dette PDF-dokument er kun gyldigt, hvis det er digitalt signeret af Dancert A/S

**DECLARATION**

**Code of Conduct for Suppliers to the ROCKWOOL Group**

The ROCKWOOL Group is committed to running its business on ethically and environmentally-sound principles. The ROCKWOOL Group wishes to ensure that we act responsibly in accordance with ethical, legal and international standards of behaviour and we endeavour to continuously improve our social performance.

The ROCKWOOL Group supports the United Nations Universal Declaration of Human Rights and the ten universal principles defined in the UN Global Compact relating to human rights, labour environment and anti-corruption.

The ROCKWOOL Group expects suppliers to uphold similar standards, ideally described in a CSR policy. This Code is designed to explain our expectations to our suppliers in more detail.

**Compliance with Applicable Laws and Standards**

The ROCKWOOL Group expects suppliers to comply with all international, national and local laws and standards relating to employment, environmental, purchasing and manufacturing practises.

**Employment Practices**

The ROCKWOOL Group wishes to ensure that the working practices of our suppliers towards their employees regarding such issues as equal opportunities, Trade Union recognition and fair employment terms comply with or exceed national and internationally accepted standards. The ROCKWOOL Group expects all suppliers to strive towards reducing any potential risk to their employees and to provide them with safe and healthy working conditions.

No supplier must, under any circumstances, be involved in the use of child labour.

**Environmental Practices**

The ROCKWOOL Group expects suppliers to comply with the environmental standards and regulations relevant to their business and to practice sound environmental principles in their operations.

The ROCKWOOL Group has adopted the ICC “Business Charter for Sustainable Development – Principles for Environmental Management”, which identifies responsibilities, requires an Environmental Officer to be appointed, expects companies to have an Environmental Management System with specific 3 year plans and expects all new machinery to be environmentally risk assessed before coming into operation. The ROCKWOOL Group encourages suppliers to follow these principles.

**Supply Chain Practices**

The ROCKWOOL Group expects suppliers to enforce these guidelines towards their suppliers. ROCKWOOL also reserves the right to audit any sub-supplier.

**Purchasing Ethics**

Employees of the ROCKWOOL Group, irrespective of their position in the organisation, will not accept any gift from any supplier (either directly or indirectly) that could appear to influence their decisions on sourcing and contracting issues.

The ROCKWOOL Group expects suppliers to ensure that employees, sub-suppliers and sub-contractors are not only aware of these guidelines, but are also committed to uphold the principles set out above.

**Bribery**

Bribery is defined as occurring when a person offers, gives or promises, directly or indirectly, any financial or other advantage to a private (e.g. business partner) or public industry (e.g. Public Official) in exchange for improperly performing a relevant function or activity. In addition, not only the act of bribing but also the act of being bribed is unacceptable defined as a person requesting, accepting or agreeing to accept a financial or other advantage, in exchange for improperly performing such a function or activity. The ROCKWOOL Group finds bribery unacceptable and expects suppliers to officially and explicitly take a stand against bribery.

**Compliance**

Compliance with these guidelines is seen as the basis of a good, constructive and professional working relationship between companies. Any deviation from these guidelines could detrimentally affect this relationship and the ROCKWOOL Group reserves the right to cancel the contract in case of any violation of this Code of Conduct.

**Acceptance**

By ticking off the acceptance box when registering as a supplier to ROCKWOOL Group, you agree to abide by this Code of Conduct.  
You further accept that the ROCKWOOL Group is entitled to carry out audits with access to relevant information.



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