



PAROC SUPPORTS BREEAM

Compliance of Paroc products with BREEAM, environmental rating systems for buildings.

April 10th, 2017.

PAROC PRACTICES IN BRIEF

Environmental management, reporting and extended producer responsibility

- Self-reporting according to GRI (Global Reporting Initiative) guidelines
- BES 6001 certification (Responsible Sourcing of Construction Products) for supply chain management
- REWOOL[®] system for Extended Producer Responsibility (EPR)
- ISO 14001 and ISO 9001 certifications for all production sites
- OHSAS 18001 certification for the Paroc site in Poland

Acoustics

- NRC (noise reduction coefficient) values available for the majority of the products
- All Paroc products are sound absorbing products which contribute to:
 - Lower background noise levels
 - Lower STC (sound transmission class) ratings
 - Shorter reverberation times

Material sourcing

- Paroc products are manufactured in Sweden, Finland, Lithuania and Poland
- Raw materials are mainly sourced locally
- Paroc products include recycled materials (both pre-consumer and post-consumer)

Recycling and waste management

- The Paroc mineral wool products are reusable
- Paroc has the REWOOL[®] system (available for Paroc customers)

Environmental Product Declarations

- EPD's for Finland and Sweden according to ISO 14025, ISO 21930 and EN 15804
- International EPD's according to EN 15804
- Both EPD types contain information on the CO₂, CFC-11, SO₂, phosphate and ethene (C₂H₄) emissions

Emissions

- No substances listed on the REACH Authorization or Candidate list used in Paroc mineral wool products
- M1 classifications for nearly all products
- Eurofins "Indoor Air Comfort GOLD" product certifications for several Technical Insulation products

BREEAM International New Construction 2016

CREDIT	PAROC CONTRIBUTION
Hea 02 Indoor air quality (1 credit + 2 exemplary level credits)	Several Paroc products have the Finnish M1 emission classification which is compliant with the base credit requirement and the exemplary level requirement.
Hea 05 Acoustic performance (Up to 2 credits) (For residential buildings, up to 4 credits)	All Paroc acoustic products are sound absorbing products and thus they contribute towards a short reverberation time, low indoor ambient noise levels as well as good airborne and impact sound insulation values.
Mat 01 Life cycle impacts (1 credit + 1 exemplary level credit)	The international EPD's are per EN 15804 and the EPD's for Finland and Sweden are per ISO 14025, ISO 21930 and EN 15804 standards. Therefore, using Paroc products may contribute to achieving at least one credit and potentially an additional exemplary credit.
Mat 03 Responsible sourcing of construction products (Up to 3 credits + 1 exemplary level credit)	BES 6001 certification for all Paroc mineral wool secures 5 points in the Mat 03 Responsible Sourcing of Materials calculator which is the best possible rating for new materials.
Wst 01 Construction waste management (Up to 3 credits)	Paroc mineral wool is recyclable and can help the constructor to meet their recycling targets. Paroc insulation products fulfil the criteria for the key waste group "insulation". Paroc has a REWOOL® system in place to take back reusable mineral wool.

BREEAM International RFO 2015

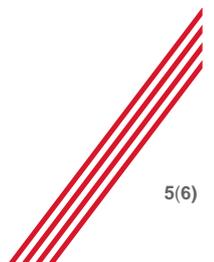
CREDIT	PAROC CONTRIBUTION
Hea 02 Indoor air quality (1 credit + 2 exemplary level credits)	Several Paroc products have the Finnish M1 emission classification which is compliant with the base credit requirement and the exemplary level requirement.
Hea 05 Acoustic performance (Up to 2 credits) (For multi-residential, up to 4 credits)	All Paroc acoustic products are sound absorbing products and thus they contribute towards a short reverberation time, low indoor ambient noise levels as well as good airborne and impact sound insulation values.
Mat 01 Environmental impact of materials (Up to 4 credits + 1 exemplary level credit)	The international EPD's are per EN 15804 and the EPD's for Finland and Sweden are per ISO 14025 and EN 15804 standards. Therefore, using Paroc products contribute to achieving credits under this criterion.
Mat 03 Responsible sourcing of materials (Up to 3 credits + 1 exemplary level credit)	BES 6001 certification for all Paroc mineral wool secures 5 points in the Mat 03 Responsible Sourcing of Materials calculator.
Wst 01 Project waste management (Up to 5 credits)	Paroc mineral wool is recyclable and can help the constructor to meet their recycling targets. Paroc acoustic boards fulfil the criteria for the key material category "mineral fibre ceiling panels and tiles". Paroc has a REWOOL® system in place to take back reusable mineral wool.

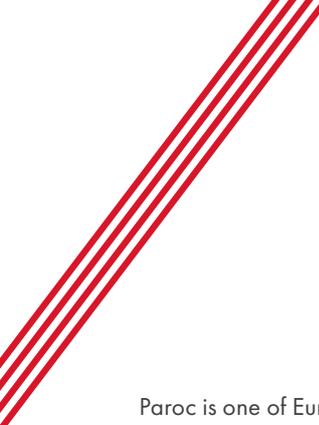


PAROC SUPPORTS BREEAM,
is Supervised by Green Building Partners Ltd



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Paroc is one of Europe's leading manufacturers of energy-efficient and fire-proof insulation solutions. Throughout our 80-year history, we have earned a reputation for high product performance, technical expertise and sustainability among builders of single-family homes, architects, contractors, dealers and industrial builders.

The cornerstones of our operations are customer and personnel orientation, constant innovation, profitable growth and sustainable development. Paroc products include building insulation, technical insulation, marine and offshore insulation, and acoustic products. The products are manufactured in Finland, Sweden, Lithuania, Poland and Russia. Paroc has sales and representative offices in 14 European countries.



Building Insulation offers a wide range of products and solutions for all traditional building insulation. The building insulation products are mainly used for the thermal, fire and sound insulation of exterior walls, roofs, floors and basements, intermediate floors and partitions.



Sound absorbing ceilings and wall panels for interior acoustic control, as well as industrial noise control products, are available in the range.



Technical Insulation products are used for thermal, fire and sound insulation in HVAC systems, industrial processes and pipe work, industrial equipment as well as shipbuilding and offshore industry.

The information in this brochure describes the conditions and technical properties of the disclosed products, valid at the time of publication of this document and until replaced by the next printed or digital version. The latest version of this brochure is always available on the Paroc website. Our information material presents applications for which the functions and technical properties of our products have been approved. However, the information does not mean a commercial guarantee. We do not assume liability of the use of third party components used in the application or the installation of our products. We cannot warrant the suitability of our products if used in an area or conditions which are not provided in our information material. As a result of constant further development of our products we reserve the right to make alterations to our information material at any time.

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