



PAROC SUPPORTS LEED

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

Nov 30th, 2017. (Replaces 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 (Russian site Izoplit will be certified under the BES 6001 in 2018)
- 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 product 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, Poland and Russia
- 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

RATING SYSTEMS COMPLIANCE – QUICK VIEW

LEED Building Design & Construction v2009

CREDIT	PAROC CONTRIBUTION
MR 2 Construction Waste Management (Up to 2 points)	Paroc mineral wool is recyclable and can help the constructor to meet their recycling targets. Paroc has a REWOOL® system in place to take back reusable mineral wool.
MR 4 Recycled Content (Up to 2 points)	Paroc products include recycled materials. Specific recycling rate of a certain product used in a LEED BD&C v2009 project must be asked directly from Paroc.
MR 5 Regional Materials (Up to 2 points)	Paroc products are manufactured in Sweden, Finland, Lithuania, Poland and Russia. Raw materials are sourced mainly locally. Specific information on the regionality of a certain product used in a LEED BD&C v2009 project must be asked directly from Paroc.
IEQp3 Minimum Acoustical Performance (Prerequisite only for Schools)	Paroc has Noise Reduction Coefficient (NRC) values for each product. All Paroc acoustic products are sound absorbing products and thus they contribute towards a short reverberation time.
IEQ 9 Enhanced Acoustical Performance (1 point only for Schools)	Paroc acoustic products are sound absorbing products and thus they contribute towards a short reverberation time, low background noise level as well as a higher Sound Transmission Class (STC) rating.

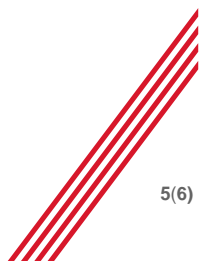
LEED Building Design & Construction v4

CREDIT	PAROC CONTRIBUTION
MR 3 Building Product Disclosure and Optimization - Sourcing of Raw Materials (Up to 2 points)	<p>Paroc's EPR (Extended Producer Responsibility) system, REWOOL®, can be counted in with a 50 % weighting (based on costs) for products. The system is in operation in all countries except Russia.</p> <p>Paroc products include recycled materials. Specific information on recycling rate of a certain product used in a LEED BD&C v4 project must be asked directly from Paroc.</p> <p>Paroc products are manufactured in Sweden, Finland, Lithuania, Poland and Russia. Raw materials are sourced mainly locally. Specific information on the regionality of a certain product used in a LEED BD&C v4 project must be asked directly from Paroc.</p>
MR 4 Building Product Disclosure and Optimization - Material Ingredients (Up to 2 points)	<p>Paroc products contain no substances of very high concern listed in the so-called REACH Candidate or Authorization list and thus they are valued at a 100 % weight (by cost) in the credit calculations. Paroc products are manufactured in Sweden, Finland, Lithuania, Poland and Russia. Raw materials are sourced mainly locally. Specific information on the regionality of a certain product used in a LEED BD&C v4 project must be asked directly from Paroc.</p>
MR 5 Construction and Demolition Waste Management (Up to 2 points)	<p>Paroc mineral wool is recyclable and can help the constructor to meet their recycling targets. Paroc has a REWOOL® system in place to maximize the amount of mineral wool that can be reused.</p>
IEQp3 Minimum Acoustic Performance (Prerequisite only for Schools)	<p>Paroc has Noise Reduction Coefficient (NRC) values for each product. All Paroc acoustic products are sound absorbing products and thus they contribute towards a short reverberation time.</p>
IEQ 2 Low-Emitting Materials (Up to 3 points)	<p>Several Paroc products have a Finnish M1 classification which is compliant with the credit requirements (General Emissions Evaluation) in Europe.</p>

PAROC SUPPORTS LEED,
is Supervised by Green Building Partners Ltd

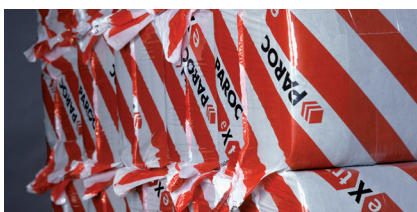


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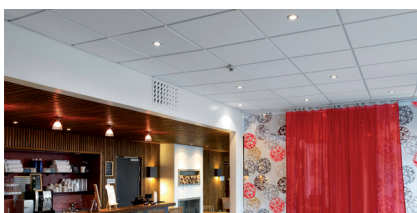


Paroc is one of Europe's leading manufacturers of energy-efficient and fire-proof insulation solutions. Throughout our 80-year history, we have earned a reputation for high product performance, technical expertise and sustainability among builders of single-family homes, architects, contractors, dealers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