

ACOUSTIC MEMBRANE

High performance sound-deadening



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ROCKWOOL Acoustic Membrane is a high-density polymer designed to reduce sound transfer through a flat roof build-up by adding to its mass.

An ideal acoustic solution for buildings requiring high levels of acoustic performance, such as cinemas, live music venues, airports, schools, and hospitals, to name but a few.



Certificate No EMS 70301



Advantages

- Excellent acoustic properties
- Easy to cut and install on site
- Supplied as a roll for faster installation and fewer joints
- Cost-effective
- Suitable for new build and refurbishments

Description

ROCKWOOL Acoustic Membrane is a flexible, high-density polymer mass layer. The product, when combined with ROCKWOOL insulation products, offers both high performing and economic acoustic solutions for flat roofing and built-up metal roofing systems. An ideal acoustic solution for buildings requiring high levels of acoustic performance

Applications

ROCKWOOL Acoustic Membrane is designed to enhance the acoustic performance of flat roof constructions in conjunction with Hardrock Multi-Fix insulation.

Performance

Several airborne and rain noise acoustic tests have been carried out on various roof constructions incorporating ROCKWOOL Acoustic Membrane and Hardrock Multi-Fix. The results from these test programmes have allowed for accurate assessment of intermediate performances. For more information please contact Technical Solutions on 01656 868 490.

Technical information

Dimensions

Area weight (kg/m ²)	Length (mm)	Width (mm)	Thickness (mm)
5	6050	1220	2.5
10	4000	1200	5.0

Density

Approximately 2,000kg/m³.

Product properties

Characteristic	Test	Value
Pliability	UEAtc	Does not break when bending at -20°C
Tensile strength	UNE 104-281/6.6	≥ 150 x 150 N/50mm
Elongation	UNE 104-281/6.6	≥ 200 x 200%
Compressive strength	-	4.54kg/cm ²
Water vapour resistance factor	UNU EN 1931	μ ≥ 4.15x10 ⁴

Handling

The 5kg/m² and 10kg/m² rolls weigh approximately 37kg and 47kg respectively.

Weather protection

All products are wrapped in polythene for short-term protection, if stored outside. For longer-term protection, the product should be stored in dry premises, protected against weathering, and must not be exposed to temperatures exceeding 35°C.

For safety, pallets should not be stacked.

Installation

ROCKWOOL Acoustic Membrane should be laid directly onto the metal decking, across the line of the profiles. The metal decking must be clean and dry.

Align the membrane and extend the roll over the metal decking progressively.

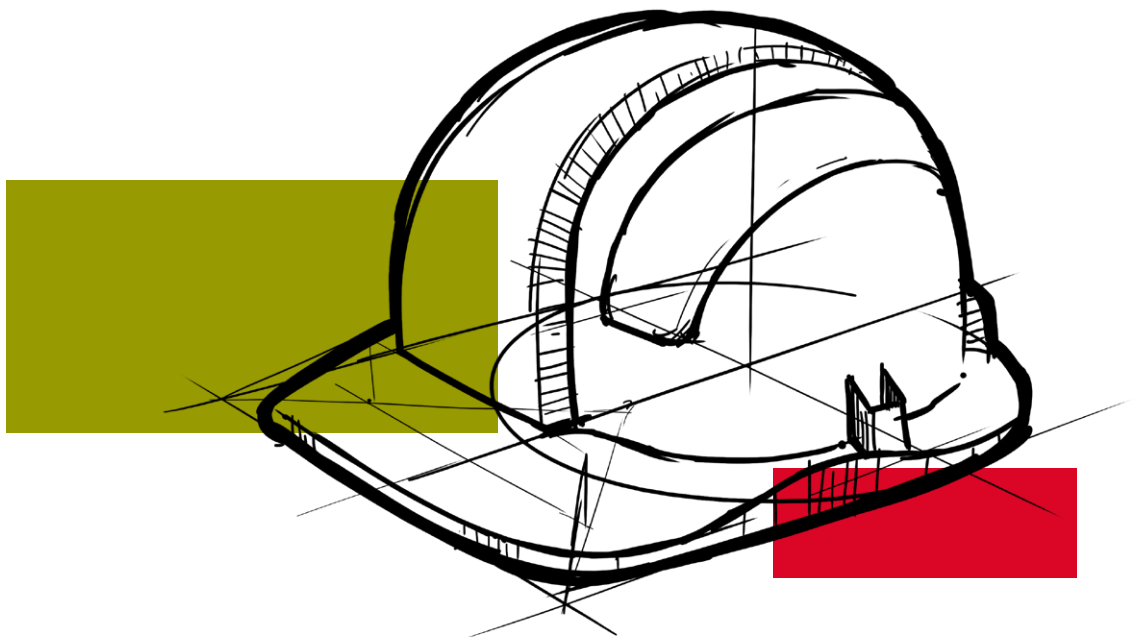
Please note that it is not necessary to remove the protective plastic film.

All membrane joints should be overlapped by a minimum of 50mm as small openings can reduce the level of acoustic insulation achieved.

Where required, ROCKWOOL Acoustic Membrane is easily cut or shaped with a sharp knife.

Coverage

For a 35mm deep profiled metal deck, each square metre of ROCKWOOL® Acoustic Membrane will cover approximately 0.95m² of surface area including overlaps. Coverage may vary for other profile types.



Sustainability

As an environmentally conscious company, ROCKWOOL promotes the sustainable production and use of insulation and is committed to a continuous process of environmental improvement.

All ROCKWOOL products provide outstanding thermal protection as well as four added benefits:



Fire resistance



Acoustic comfort



Sustainable materials



Durability

Health & Safety

The safety of ROCKWOOL stone wool is confirmed by current UK and Republic of Ireland health & safety regulations and EU directive 97/69/EC: ROCKWOOL fibres are not classified as a possible human carcinogen.

A Material Safety Data Sheet is available and can be downloaded from www.rockwool.co.uk to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

Environment

Made from a renewable and plentiful naturally occurring resource, ROCKWOOL insulation saves fuel costs and energy in use and relies on trapped air for its thermal properties.

ROCKWOOL insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).

ROCKWOOL is approximately 97% recyclable. For waste ROCKWOOL material that may be generated during installation or at end of life, we are happy to discuss the individual requirements of contractors and users considering returning these materials to our factory for recycling.



Interested?

For further information, contact the Technical Solutions Team on 01656 868490 or email technical.solutions@rockwool.co.uk
Visit www.rockwool.co.uk to view our complete range of products and services.

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The ROCKWOOL Trademark

ROCKWOOL® - our trademark

The ROCKWOOL trademark was initially registered in Denmark as a logo mark back in 1936. In 1937, it was accompanied with a word mark registration; a registration which is now extended to more than 60 countries around the world.

The ROCKWOOL trademark is one of the largest assets in the ROCKWOOL Group, and thus well protected and defended by us throughout the world.

If you require permission to use the ROCKWOOL logo for your business, advertising or promotion. You must apply for a Trade Mark Usage Agreement. To apply, write to:
marketcom@rockwool.com.

Trademarks

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ROCKWOOL®

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RAINSCREEN DUO SLAB®

HARDROCK®

ROCKFLOOR®

FLEXI®

BEAMCLAD®

FIREPRO®

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