



February 2014

Knauf Insulation Acoustic Membrane – KAM 5

High performance acoustic membrane for lightweight flat roofs

Description

KAM 5 is a high density vinyl acoustic membrane which combines high integral strength, flexibility, mass and thickness to improve the sound insulation performance of lightweight flat roofs and is effective across the sound frequency range.

Application

KAM 5 is typically specified in conjunction with Rockwool Krimpack Flat Roof Slabs to deliver high levels of sound insulation performance economically and efficiently for both new build and refurbished flat roofs.

Single ply membrane roof

KAM 5 can be installed between the profiled metal deck and the vapour control layer or between the vapour control layer and the Rockwool Krimpack Flat Roof Slab in single ply membrane flat roofs.

Built-up metal roof

KAM 5 is installed between the profiled metal outer sheet and Earthwool FactoryClad Roll in built-up metal roofing systems.

Benefits

- Excellent acoustic performance
- Improves low frequency performance
- Quick and easy to install and cut
- Available in roll form to reduce the number of joints and speed up the installation process
- Cost effective solution
- Suitable for both new build and refurbishment projects

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Installation

KAM 5 should be laid directly onto a clean dry metal deck or above the vapour control layer, across the line of the profiles.

To maximize the performance of KAM 5, all joints should be overlapped by 50mm with day joints sealed at the end of each working day.

Mechanically fastened single ply membrane should be installed in accordance with the manufacturer's instructions.

Certification

KAM 5 is manufactured in accordance with BS EN ISO 9001.

Cutting

KAM 5 is easily shaped or cut to size with a sharp knife.

Resistance to moisture

KAM 5 is water resistant.

Environmental

KAM 5 is free from CFC's, HCFC's and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. KAM 5 is free from lead, unrefined aromatic oils and bitumen.

KAM 5 is recycled and recyclable and is manufactured from 100% recycled materials saving 1,000's of tonnes a year of pvc going into landfill. KAM 5 can be taken back and recycled when the roof has reached the end of its useful life.

Handling and storage

It is recommended that good standards of personal hygiene are observed and gloves are worn when handling KAM 5. During higher temperature processes and conversion operations, provide ventilation of the premises to remove any vapour or dust that is likely to be generated. Protect KAM 5 from heat and store the product in cool conditions.

A health and safety data sheet is available from - www.knaufinsulation.co.uk

For more information please visit
www.knaufinsulation.co.uk

Knauf Insulation Acoustic Membrane – KAM 5

Properties

Dimensions	3000mm x 1250mm
Weight per roll	18.75kg
Weight /m²	5.00kg
Tensile strength	2.6 Mpa
Supplied form	Rolls
Colour	Black
Flammability	Self extinguishing
Operating temperature range (static)	-30° to +65°C

Typical roof constructions

Flat roof	Built up metal roof
Single ply membrane RocksilK Krimpac Flat Roof Slab Vapour control layer KAM 5 Metal profiled deck	Metal profiled outer sheet Earthwool FactoryClad Roll KAM 5 Earthwool Building Slab RS 100 Vapour control layer Metal profiled deck
KAM 5 typically improves the sound insulation performance of the above roof constructions by up to 3dB	

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