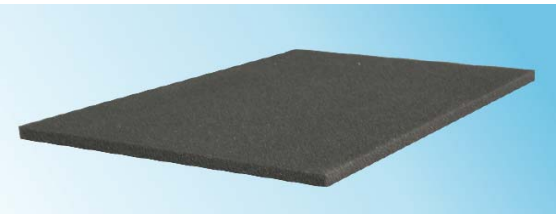
MASON acoustics

Resin-bonded Rubber Underscreed Insulation Mat

product code: IN-WH-70 *[Note 1]*

Technical Data Sheet

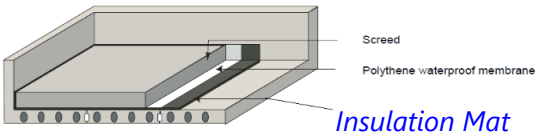


Description

This insulation mat is resin bonded rubber sheeting that is resistant to ageing and deformation.

Application

- can be applied under the entire screed area, eg. on intermediate floors as an insulating layer under the screed in workshops, hotels, hospital, library



Advantages

- excellent insulation characteristics
- no loss of thickness even high static or dynamic loads
- maximum load bearing capacity 3 tonnes/m2 (30kN/m2)
- minimises construction height
- resistant to ageing and deformation

Physical Information

Standard Sheet Size	: 1250mm(width) x 10m(length)
Nominal Thickness	: 6 mm

Technical Information

This insulation mat conforms to the following specifications:

- Color : Standard Black/ Anthractie
- Weight : 780 kgs/m³
- Maximum load bearing : up to 3,000 kg/m2
- Deflection of less than 1mm under load 0.40 MPa
- and Dynamic Stiffness of 0.60MPa at 2.40N/mm³
- Test according to BS EN29052-1:1992, compliant with Approved Document E
- Temperature Range: -30 to +80°C

Note 1- This product is supplied/ manufactured by Wilhams Insulation Group. All material warranty shall be provided by the manufacturer, and limited by the clauses and conditions of warranty.

MASON ACOUSTICS LIMITED 梅森聲學有限公司

Room 1710, Floor 17, Fortress Tower, 250 King's Road, North Point, Hong Kong

t: +852 29679639 | f: +852 29671772 | e: mail@mason-hk.com | w: www.masonacoustics.hk

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Acoustic Performance

Test Product	Floor Type	Impact dB (L' T,w)	Impact dB (Ln,w)	Airborne db (C; ctr)
Bare Floor	15mm Screed/ 150mm Concrete Beam	71	76	53 53 (-1; -4)
#IN-WH-70	65mm screed / #IN-WH-70 / Concrete Beams	53	58	56 (-1; -5)
Test to rebust standard report no. 3916 & 3917				

Installation Guide

Before installing the #IN-WH-70 insulation mat, ensure the concrete floor is dry, clean and free of dust. Minor variations of 1-2mm in the concrete surfacing will not be detrimental to the performance of the #IN-WH-70.

Prior to cutting, unroll the #IN-WH-70 and leave it to settle for two to three hours. This allows any tensions in the roll from the production process to dissipate. Layout the #IN-WH-70 ensuring that all edges are tightly butted and taped to ensure the sheets do not move apart during the pouring of the screed layer.

To prevent flanking, the #IN-WH-70 must be turned up at the wall edges to a height of 5mm above the finished screed level. Once the #IN-WH-70 is laid, cover the entire area with a polythene waterproof membrane, ensuring that the joints are sufficiently over lapped and taped.

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