

Advantages

- Excellent insulation characteristics.
- No loss of thickness even under high static or dynamic loads.
- Maximum load bearing capacity 3 tonnes/m² (30kN/m²).
- Minimises construction height.
- Resistant to ageing and deformation.
- Permanently elastic, no degradation over time.
- Excellent recovery properties.
- Quick and easy to install.
- Can be fully recycled.

Applications

Wilhams WIL-MAT 45 is applied under the entire tiled area in dwellings, commercial and industrial buildings e.g. on intermediate floors as an insulating layer under the tiles in storerooms, industrial units, hotels, hospitals, libraries, schools, universities and general offices.

Description

Wilhams WIL-MAT 45 is a resin bonded rubber sheeting that is resistant to ageing and deformation.

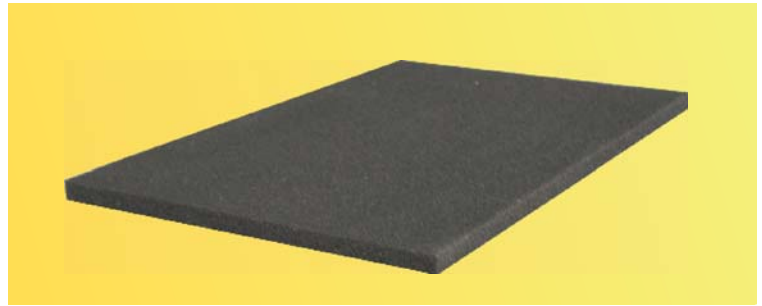
Physical Information

Roll width: 1.25m
Roll length: 14m (Non standard lengths are available upon request)
Material thickness: 4.5mm

Technical Information

Wilhams WIL-MAT 45 conforms to the following specifications:

- Colour – Black / Anthracite
- Density 780kg/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 2.40 N/mm³.
- Tested according to BS EN 29052-1:1992, compliant with Approved Document E.
- Temperature range – -30 to +80°C



Acoustic Performance

Test Product	Floor Type	Impact db (L'nT,w)	Impact db (Ln,w)	Airborne db (C; ctr)
Bare Construction	12.5mm plasterboard 2" x 2" battens / 150mm Concrete Floor	64	70	55 (-1 ; -5)
Wil-Mat 60	12.5mm plasterboard 2" x 2" battens 150mm Concrete Floor / Wil-Mat 45 / 8mm Ceramic Tiles	54	60	54 (-3 ; -7)

Tested to Doc. E 2004 report no. 3922 & 3923

Installation Guidelines

Before installing the Wilhams WIL-MAT 45, 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 WIL-MAT 45.

Prior to cutting, unroll the WIL-MAT 45 and leave it to settle for two to three hours. This allows any tensions in the roll from the production process to dissipate.

Lay out the WIL-MAT 45 ensuring all edges are tightly butted. It can be immediately laminated to the concrete. (Please contact our technical department for adhesive compatibility).

To prevent flanking, the WIL MAT 45 must be turned up at the wall edges to a height of 5mm above the ceramic tiling level.

Once the WIL-MAT 45 is installed the ceramic tiling can be applied using the appropriate adhesive. (Please contact our technical department for adhesive compatibility).

