

Product Data Sheet

Acoustic Matting

Description:

Nicobond Acoustic Matting – Designed as part of a sound reduction system to comply with Building Regulations 2010 Document E. Manufactured from a fine granulate of recycled rubber with cork and PU elastomeric bonding agent, supplied in brown granulate and beige cork having a fine granulate structured surface. Flexible sheet underlay with good lay-flat properties. Allows installation of underfoot comfort, acoustic and thermal insulation on poorly insulated surfaces. Makes flooring flexible and warm underfoot. In staircase areas, prevents transfer of sound and premature floor covering wear from impact.

Substrate Preparation:

The substrate must be level, sound, and free from cracks, dry, clean and free from materials that would impair adhesion. Test the substrate in accordance with applicable standards. If Required thoroughly vacuum the surface, then prime and apply Nicobond smoothing compound, according to substrate type and occupational use.

Application

Apply a layer of general purpose vinyl adhesive to the concrete base, following the manufacturer's instructions. Lay the Nicobond Acoustic Mat and smooth out with a light roller to remove any air bubbles. Cover joints between mats with crack tape to prevent tile adhesive penetrating to the base which could cause a sound bridge. Once the floor adhesive is dry, insert the polyethylene backing rod around the perimeter at wall/floor junctions to isolate the floor. Apply the tile adhesive following recommended procedures. Ensure final perimeter joints are filled with a suitable mastic sealant.

Features

Easy to cut and install
Remains continually elastic
Can be used under Tiles, Stone, Vinyl Sheet (Not Vinyl Tiles), Wood and Carpet.
Complies with Document E 2003 – Part H (Scotland)
Minimum Build height with permanent resilience
Good acoustic and thermal properties
Medium duty rating for coefficient of restitution
Compatible with undertile heating systems.
Fully recycled material
Zero ODP (Ozone Depleting Potential)
Zero GWP (Global Warming Potential)



Dimensions/Tolerances	
Length:	Supplied in 20mt rolls x 1mt wide +/- 1.5% (DIN 7715 Part 2 Class M4)
Available Thickness:	3mm
Dimensional Tolerance DIN 7715-2 M4	±1.5%
Density:	Approx 700 kg/m³
Physical Properties	
Tensile Strength:	Approx 0.8 N/mm²
Elongation at break:	3mm approx 34%
Compression Test to DIN EN ISO 3386 - 2	CC 1057kPa CC 5152kPa CC >12500kPa
Compressive At 10% Pressure: (DIN 53421)	0.69 N/mm² E-Module 30.6 N/mm²
Coefficient of friction (dry)	Average 0.66 (GS-V-28)
Service Temperature Range	-40°C to +110°C
Environmental behaviour:	Limited resistance to acid and alkali solution.
Final Performance: 11mm glazed tile covering ISO 140-8: 1998	
Thickness	3mm
DLW	18dB
Thermal Conductivity	Vh Ca. 0.12 W/m K
Flammability Rating	B2

Protection of the Workplace and the Environment:

No special no special measures are required.

Disposal:

All product residues are treated as normal construction waste.