

Iso-Mat

Iso-Mat is designed for all types of floor tiling installations. Providing superior protection against substrate cracks and moisture migrations, it is ultra-thin with a thickness of under 1mm. Manufactured from two outer layers of polypropylene non-woven with one inner layer of glass filament fabric.

Movement in substrates underneath is a common problem. This movement causes tension on the tiles leading to them cracking. Iso-Mat provides a layer between the substrate and tiled covering to contain the movement caused by expansion and contraction and stops it from transferring to the tiles.

Technical Values	
Material Base	Polypropylene
Colour	White
Width	1m
Length	30m
Thickness	0.87mm approx. (←1mm)
Area Weight	270g/m ²
Service Temperature Range	- 30 °c to + 90 °c
Certified To	DIN EN ISO 9001 : 2008
Storage info	Store at room temperature and protect from sunlight and moisture
Note: Due to the methods used in production, the colour of the material or printing may vary from batch to batch.	

Product Features:	Physiological Properties:
Tension Reducing De-coupling Matting	Iso-Mat is resistant to a wide range of chemicals, rot, fungus and bacteria attacks. It is also impervious to root penetration. Iso-Mat is inert to drinking water.
Low Structural Build-up	
Flexible	
Crack Bridging	
Can be used with Underfloor Heating	
Resistant to Alkali's and Rot	

Storage	Disposal & The Environment
Store in a cool, dry place, out of direct sunlight. Do not store above +30°C.	Iso-Mat is physiologically harmless. The product contains no hazardous materials. Off-cuts can be disposed of as general building site waste.

Application Areas:
Iso-Mat is suitable for use on sound substrates including timber and cracked concrete floors. It must be stuck down using high quality standard flexible tile adhesive. Select an adhesive in accordance with the substrate type. Dukkaboard encourage users to confirm suitability with their own trials before installation. Dukkaboard disavow any liability resulting from use of non-suitable adhesive and resulting damage of any kind.

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Please Note: Technical data represent average values. The technical information and application instructions are based on our experience and present knowledge. However, it is each users own responsibility to make trials with the original substrates in order to verify the suitability of our products for the intended purpose, taking into consideration all application related parameters. Please contact us if you have any further questions. In case of any doubt, please obtain additional information from Dukkaboard.

Physical Properties	DIN	Value
Breaking Load Longitudinal	DIN EN ISO 527-3	→ 900 N / 50mm
Breaking Load Lateral	DIN EN ISO 527-3	→ 900 N / 50mm
Extension Break Longitudinal	DIN EN ISO 527-3	→ 15%
Extension Break Lateral	DIN EN ISO 527-3	→ 15%
Bonding Strength	DIN EN 1348	→ 0.22 n / mm ² [in dependence of adhesive used]

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Chemical Properties	Value	
Resistance after storage over 7 days by room temp in following chemical		
Hydrochloric acid 3%	Internal	+
Sulphuric acid 35%	Internal	+
Citric acid 100 g/l	Internal	*
Lactic acid 5% Internal	Internal	+
Potassium hydroxide 3% / 20	Internal	+ / +
Sodium hypochlorite 0,3 g / l	Internal	+
Salt water (20 g / l Sea water salt)	Internal	+

*VALUE KEY • + = Resistant • 0 = Weakened • - = Non Resistant
Complied the strict requirements for classification according EMICODE emission class EC 1 plus and according French VOC-regulation A+

For technical information, support and more installation guides and videos from the expert team at Dukkaboard, visit www.dukkaboard.com/the-knowledge-network