

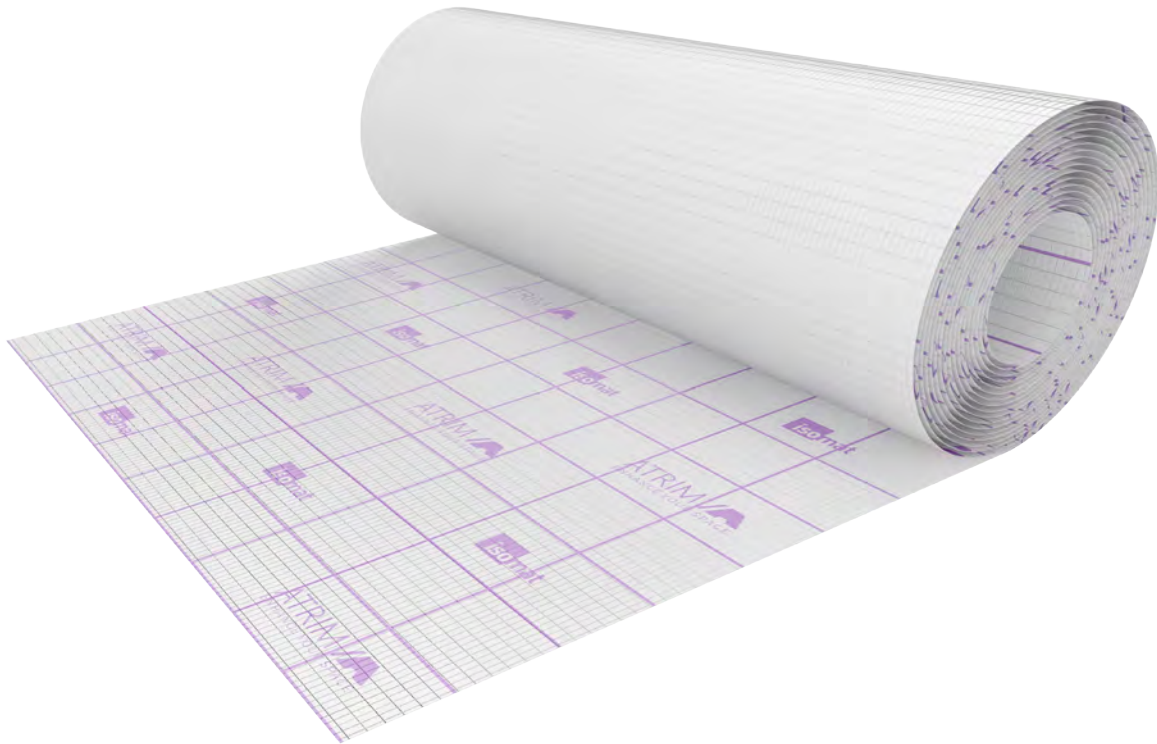
DATA SHEET

DATE 15.05.2017
VERSION 01

STONE ESSENTIALS

ISOMAT

DE-COUPLING MATTING



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

PRODUCT DESCRIPTION

Movement in substrates underneath is a common problem. This movement causes tension on the tiles leading to them cracking. ISOMAT 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.

PRODUCT FEATURES

- Tension Reducing De-coupling Matting**
- Low Structural Build-up**
- Flexible**
- Crack Bridging**
- Can be used with Under floor Heating**
- Resistant to Alkaline and Rot**

TECHNICAL VALUES

MATERIAL BASE	POLYPROPYLENE
COLOUR	WHITE
WIDTH	1M
LENGTH	50M
THICKNESS	0.87MM APPROX. (<1MM)
AREA WEIGHT	270G/M²
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.

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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 / MM2 (in dependence of adhesive used)

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+

APPLICATION AREAS

ISOMAT 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.

Stone Essentials encourage users to confirm suitability with their own trials before installation. Stone Essentials disavow any liability resulting from use of non-suitable adhesive and resulting damage of any kind.

PHYSIOLOGICAL PROPERTIES

ISOMAT is resistant to a wide range of chemicals, rot, fungus and bacteria attacks. It is also impervious to root penetration. ISOMAT is inert to drinking water.

STORAGE

Store in a cool, dry place, out of direct sunlight.
Do not store above +30°C.

DISPOSAL & THE ENVIRONMENT

ISOMAT is physiologically harmless. The product contains no hazardous materials. Off-cuts can be disposed of as general building site waste.

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 Stone Essentials.

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