

Deco-Shield

Deco-Shield is designed to give excellent waterproofing protection on all types of floor tiling installations. It is super thin with a thickness of just 0.48mm. Manufactured from two outer layers of non-woven polypropylene with one inner layer of polyethylene waterproofing membrane.

Deco-Shield provides a layer between the substrate and tiled covering to protect against moisture migration.

Please Note: While Deco-Shield is an impervious product, to fully waterproof surfaces, it must be used in conjunction with sealing/waterproofing tape to seal joints and corners.

Technical Values

Material Base	Polypropylene
Material Inner	Polyethylene
Colour - Fleece	Green/Blue
Width	1m
Length	30m
Thickness	0.48mm approx. (≤0.5mm)
Area Weight	277g/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.	

Product Features:

Waterproof
Low Structural Build-Up
Flexible
High Pull Strength
Resistant to Alkali's and Rot

Physiological Properties:

Deco-Shield is resistant to a wide range of chemicals, rot, fungus and bacteria attacks.

It is also impervious to root penetration.

Deco-Shield 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

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

Application Areas:

Deco-Shield is suitable to be applied under ceramic tiles and flagstones. Typical application areas include: Domestic bathrooms, commercial kitchen, public and domestic shower rooms & wet areas. The sealing membrane can also be applied on outside balconies and terraces where no living space is situated underneath.

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	Tolerance
Breaking Load Longitudinal	DIN EN ISO 527-3	300 N / 50mm	≥ 250 N / 50mm
Breaking Load Lateral	DIN EN ISO 527-3	145 N / 50mm	≥ 100 N / 50mm
Extension Break Longitudinal	DIN EN ISO 527-3	65%	≥ 40%
Extension Break Lateral	DIN EN ISO 527-3	65%	≥ 40%
Resistance to Tearing Longitudinal	DIN EN 12310-2	60 N / 50mm	≥ 40 N / 50mm
Resistance to Tearing Lateral	DIN EN 12310-2	115 N / 50mm	≥ 75 N / 50mm
Resistance to water pressure	DIN EN 1928 (Version B)	≥ 1.5 bar	
UV-Resistance:	DIN EN ISO 4892-3	≥ 450 h	
Moisture vapour resistance air equivalent (sd)	ETAG 022	≥ 50 m (93 % r.h. to 50 % r.h.)	
Bonding Strength	DIN EN 1348	→ 0.4 n / mm ² (in dependence of adhesive used)	
Burst pressure:	Internal	≥ 3.0 bar	
Fire classification	DIN EN 4102	B2	
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Chemical Properties Resistance after storage over 7 days by room temp in following chemical		Value
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	+
Potassium hydroxide 3% / 20%	Internal	+ / +
Alkali 28d / 40° / 3%	Regulations according to AbP	+
Alkali	Regulations according to ETAG 022 16 weeks	+
*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