

Elastomeric liquid membrane for waterproofing under tiles

Description

ISOMAT SL 17 is a ready-to-use, solvent-free, elastomeric, liquid waterproofing membrane for use under tiles. After hardening, it features high flexibility while being both waterproof and vapor-permeable.

Fields of application

ISOMAT SL 17 is ideal for waterproofing surfaces in wet areas, such as bathrooms, showers, etc., (without forming seams or joints), before fixing ceramic tiles.

Suitable for all floor or wall surfaces made of concrete, plaster, gypsum boards, chipboards, etc. Yet, it should not be applied on surfaces subject to permanent water pressure.

Technical data

Color:	grey
Density:	1.44 kg/l
Viscosity:	100,000 mPa·s (Brookfield R5/2) at +23°C
Elongation at break: (EN ISO 527)	215%
Dry film thickness: (EN ISO 2808) (Wet film thickness: 1000 µm, Solids content: 60%)	600 µm
Adhesion: (EN 1542, requirement for flexible systems with no traffic: 0.8 N/mm ²)	1.9 N/mm ²
Reaction to fire: (EN 13501-1)	Class F
Service temperature:	from -15°C to +80°C
Tensile strength: (EN ISO 527)	2.12 N/mm ²

Water vapor permeability coefficient (µ): (EN ISO 7783:2011)	19,300
Water impermeability: (DIN 1048)	7 atm
Capillary water absorption: (EN ISO 1062-3: W ₃ low, w < 0.10 Kg/m ² h ^{0.5})	0.01 Kg/m ² h ^{0.5}
Minimum application temperature:	+5°C
Recoat time:	1-2 h at +20°C
Tile fixing:	approx. after 2-4 h at +20°C
Hardening time:	≥ 6 h at +20°C

Directions for use

1. Substrate

The substrate must be clean, free of grease, loose particles, dust, etc. Cavities should be repaired using PLANFIX putty. Priming follows using UNI-PRIMER special acrylic primer at a consumption of approx. 100-200 g/m², depending on the absorbency of the substrate.

2. Application

ISOMAT SL 17 is applied by brush or roller in two layers, after the primer has dried, and, if necessary, diluted with water up to 4% by weight. The second layer should be applied after the first one has dried. It can be also applied in one layer with a notched trowel of 3-4 mm notch size and flattened with a smooth trowel. In this way a uniform layer thickness is achieved.

ISOMAT SL 17 waterproofing membrane should be locally reinforced at joints and wall-floor junctions with fiberglass mesh (65 g/m²) or polyester fleece (30 g/m²).

Tools should be cleaned with water while ISOMAT SL 17 is still fresh.

Tiles should be fixed with a high performance polymer-modified tile adhesive, such as ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK 25, ISOMAT AK-ELASTIC, after ISOMAT SL17 has dried.

ISOMAT SL 17



Consumption

1.0-1.5 kg/m², depending on the substrate.

Packaging

ISOMAT SL 17 is supplied in buckets of 5 kg and 15 kg.

Shelf life – Storage

24 months from production date if stored in original, unopened packaging at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Volatile Organic Compounds (VOCs)

According to Directive 2004/42/CE (Annex II, table A), the maximum allowed VOC content for the product subcategory g, type WB is 30g/l (2010) for the ready-to-use product.

The ready-to-use product ISOMAT SL 17 contains max 9 g/l VOC.



2032

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DoP No.: ISOMAT SL 17 / 1441-01

EN 1504-2

Surface protection products

Coating

Permeability to CO₂: Sd > 50m

Water vapor permeability: Class I (permeable)

Capillary absorption: w < 0.1 kg/m²·h^{0.5}

Adhesion: ≥ 0.8 N/mm²

Reaction to fire: Euroclass F

Dangerous substances comply with 5.3

ISOMAT S.A.

BUILDING CHEMICALS AND MORTARS

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