



BUILDING TRUST



PRODUCT DATA SHEET

LANCO 452 DAMPFLEX

WATERPROOFING MEMBRANE

DESCRIPTION

LANCO 452 DAMPFLEX is a ready-to-use acrylic water-proofing membrane for watersensitive substrates.

USES

- Main use: Bathroom and kitchen using fiber cement board prior to tiling.
- Interior walls/Floors.
- Substrates: concrete, mortar, plasterboard, dry screed, fiber cement board (Please contact our company for other specific substrates).
- Can be used on top of existing tile for tile-on-tile application (Please contact our company for more information).

CHARACTERISTICS / ADVANTAGES

- High Flexible and high elongation.
- Protection of water sensitive substrate.
- Ready to use.
- Compliant with standard EN14891.

PRODUCT INFORMATION

Composition	Special styrene acrylic copolymer resins, fine mineral filler and admixture
Packaging	20 kg/pail
Colour	Blue paste
Shelf life	12 months from date of production if stored in undamaged and unopened, original sealed packaging
Storage conditions	Store in dry condition and protected from direct sunshine
Density	1.3 - 1.4 kg/cm ³
pH-Value	8 - 10

TECHNICAL INFORMATION

Dry film thickness	≥ 0.5 mm
Tensile adhesion strength	Initial > 0.5 MPa (28 days)
	Water immersion > 0.5 MPa (28 days)
	Heat aging > 0.5 MPa (28 days)
Crack bridging ability	> 2 mm.

APPLICATION INFORMATION

Consumption	1 - 1.5 kg/m ² for 2 coats at 0.5 mm total thickness
Ambient air temperature	+10°C to +35°C
Drying time	Drying time between 2 coats approximate 2 - 4 hours Drying time before tiling approximately 12 hours minimum after the second coat

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Not suitable for Swimming pool, basins, industrial premises.
- Roof terraces and expose to outdoor facades (Please contact company for other specific substrates).
- Minimum 2 coats (minimum total thickness on drying = 0.5 mm)
- LANKO 452 DAMPFLEX must not be allowed to dry too quickly. Critical condition e.g. wall side contact with sun should decrease water absorption and heat accumulation by using primer.
- High-traffic areas should be protected against abrasion.
- Do not re-dampen between coats.
- Do not use acid-based cleaning products.
- Gloves should be worn.
- In confined environments, do not expose the product to water or steam at a temperature above +40°C.
- Do not add any binder or admixture.
- The substrate must have a level surface so as to ensure a constant mortar thickness.
- Refer to the Safety Data Sheet.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

1. Substrates must be clean, solid, sound, and free of dust and any traces of oil, laitance, etc. Substrates must also be perfectly dry.
2. Specific jointing issues must be dealt with before the main work begins.
 - If a joint sealing strip (LANKO GLASS FIBER MESH) is used, it must be embedded in the first coat of LANKO 452 DAMPFLEX.
 - For joint sealing strip must then immediately be covered with a second coat of LANKO 452 DAMPFLEX
 - The overlap between 2 strips must be at least 5 cm.

MIXING

LANKO 452 DAMPFLEX is ready to use. Do not diluted.

APPLICATION METHOD / TOOLS

1. Apply a minimum of 2 cross-coats with a roller or brush.
2. Apply a 1st coat allowing a rough but reasonable quantity of 0.4 kg to 0.5 kg/m².
3. Allow 1st coat to dry for 3-4 hours. The surface of LANKO 452 DAMPFLEX must be touch-dry before applying the 2nd coat)
4. Apply a 2nd coat allowing a quantity of 0.4 to 0.5 kg/m². The drying period of the 2nd coat is around 4 to 24 hours (temperature dependent)
5. The total thickness of the covering should be at least 0.5 mm.

Time before covering

- LANKO 452 DAMPFLEX can be covered with tiles within a period of 12 hours minimum to 7 days maximum after the application of the final coat (bonded with tile adhesive, DAVCO SUPER TTB or DAVCO ULTRAFLEX).

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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