



BUILDING TRUST



PRODUCT DATA SHEET

LANKO 228 SUPERFLEX

A DUAL-COMPONENT FLEXIBLE CEMENTITIOUS WATERPROOFING MORTAR

DESCRIPTION

LANKO 228 SUPERFLEX is a dual-component cementitious flexible mortar to protect and waterproof.

USES

- Interior and Exterior.
- Main use: bathroom and kitchen at high-rise building
- Waterproofing prior to tiling such as balcony and terrace (except roof terraces).
- Substrates: concrete and mortar
- Can be exposed in light traffic area (except roof deck)

CHARACTERISTICS / ADVANTAGES

- High Flexible
- Pressure resistance
- Resistance to micro-cracking up to 0.75 mm.
- Dual component
- UV Resistant
- Compliant with standard EN14891

PRODUCT INFORMATION

Composition	Component A : Grey powder combining special cement, mineral filler and admixtures Component B : White liquid contain of resins in aqueous dispersion
Packaging	33 kg set (A+B) Component A : 23 kg bag Component B : 10 kg pail
Appearance / Colour	Component A : Grey powder Component B : White liquid
Shelf life	12 months from the date of production If stored properly in undamaged and unopened, original sealed packaging.
Storage conditions	Store in dry condition and protected from direct sunshine.
Density	Fresh mortar density ~1.6 - 1.7 kg/L Dry density ~ 1.2-1.4 kg/L
Maximum grain size	0.04 - 0.5 mm

TECHNICAL INFORMATION

Tensile adhesion strength	≥ 0.5 MPa at 28 days (Bond to concrete)
Water penetration under pressure	No water penetration (at 1.5 bar water pressure)

APPLICATION INFORMATION

Consumption	3 - 4 kg/m ² for 2 coats at 2 mm thickness
Ambient air temperature	+10°C to +35°C
Pot Life	~ 30 minutes (at 25°C)

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

1. Concrete surface must be clean and without any trace of oil.
2. Fill honeycomb, joint and bubbles.
3. For damage area, should repair before apply (contact us for details of product which may be recommended for specific work).
4. Very smooth surface should be roughened.
5. Damp the surface before application but not running with water during application.

MIXING

1. The 2 components must be mixed using a slow-speed machine mixer (300-500 rpm).
2. Follow the instructions below to ensure a homogenous mixture:
 - pour ¾ of the resin into a suitably-sized container.
 - add the powder gradually while mixing in order to obtain a plastic consistency.
 - add the rest of the liquid and mix for 3 minutes.
3. Leave to stand for 2 minutes.

APPLICATION

1. LANKO 228 SUPERFLEX can be applied by hand with a brush or float, by pump and machine.
2. Apply a 1st coat allowing a rough but reasonable quantity of 1.5 to 2 kg/m².
3. The 2nd coat can be applied after a drying period of 2 to 6 hours (temperature dependent), allowing a quantity of 1.5 to 2 kg/m².
4. The total thickness of the covering should be approximately 2 mm, and never less than 1.5 mm.
5. Coats can be floated using a trowel.
6. Mortar must be used within 30 min of preparation (at 25°C).

REINFORCEMENT

- For substrates subject to micro-cracking, the 1st coat should be reinforced with LANKO GLASS FIBER MESH.
- This same material should be used for all localized reinforcement needs.

SUITABLE COVERING MATERIALS

- LANKO 228 SUPERFLEX can be covered with tiles within a period of 3 days minimum to 7 days maximum after application of the final coat bonded with DAVCO ULTRAFLEX.
- High-traffic areas should be protected against abrasion.
- Please feel free to contact us if you require further information.

IMPORTANT CONSIDERATIONS

- Minimum 2 coats (minimum total thickness on drying = 1.5 mm)
- LANKO 228 SUPERFLEX must not be allowed to dry too quickly. Take all necessary precautions in sunny, dry or windy conditions to prevent over-fast drying.
- Where possible, carry out exterior applications in shady, cool conditions.
- Do not re-dampen between coats. Wipe off any condensation water.
- Do not use acid-based cleaning products.
- Gloves should be worn.
- Reservoirs must be rinsed thoroughly prior to filling.
- In confined environments, do not expose the product to water or steam at a temperature above 40°C.
- Do not add any hydraulic binder or admixture.
- The substrate must have a level surface so as to ensure a constant mortar thickness.
- Refer to the Safety Data Sheet.

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.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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