



LANKO

227 FLEX SHIELD



Waterproofing

FLEXIBLE CEMENTITIOUS WATERPROOFING



CHARACTERISTICS

- Flexible.
- Resistance to micro-cracking up to 2 mm.
- Approved for contact with potable water.
- Pressure resistance and counter pressure resistance.
- UV resistant.
- Single component.
- Easy to use.
- Non - toxic.

DESCRIPTION

A single-component cementitious flexible mortar to protect and waterproof.

USES

- Main use : bathroom, kitchen, water tank, reservoir.
- Interior/Exterior.
- Waterproofing prior to tiling.
- Substrates : concrete, mortar
(Please contact company for other specific substrates)

WORK INSTRUCTIONS

Surface Preparation

1. Surface must be clean and without any trace of oil.
2. Render honeycomb and bubbles.
3. Fill cracks and joints.
4. Very smooth surface should be roughened.
5. Damp the surface before application.

Product Preparation

1. Mix with power drill one 20 kg. bag with 6 litres of clean water until the product is evenly distributed.
2. Leave to stand for several minutes.



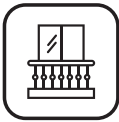
UV Resistant



Interior Basement Wall



Floor Basement Wall



Balcony



Pool



Non Toxic



Water Tank



Bathroom



High Flexible

PACKAGING

- 20 kg. bag.
- 4 kg. bucket container.

STORAGE

- 1 year from date of manufacture if stored in unopened original packaging in dry condition.



Application

1. Apply 1st coat by brush, float or pump at a rate of 1-1.5 kg / sq.m.
2. LANKO Glass Fiber Mesh should be used for all specific reinforcement needs.
3. Allow a sufficient drying time so that it is not drawn off while applying the 2nd coat.
4. Apply 2nd coat, crosswise, at a rate of 1-1.5 kg /sq.m.

PRECAUTIONS

- Temperature range for use : 5°C to 35°C.
- Water tank must be rinsed prior to filling.
- Do not apply in full sunlight.
- Protect for 24 hours in case of heavy rain or direct sun.

SPECIFICATIONS

Appearance	: Grey powder
Particle size (mm.)	: 0.3 mm.
Bulk density (Kg./L.)	: 0.9-1 kg./L.
Paste density (kg./L.)	: 1.5-1.8 kg./L.
Crack bridging (mm.)	: 0.75 mm.

Waterproofing (pressure)	Evaluation
Positive	No water penetration / Pass

Negative No water penetration / Pass

Adhesion to concrete ASTM D4515 (MPa)	Evaluation
28 days	> 1

Adhesion strength MPa (EN14891)	Evaluation
Initial tensile strength at 28 days	> 0.5
Tensile adhesion strength after contact with water	> 0.5
Tensile adhesion strength after heat aging	> 0.5
Tensile adhesion strength after contact with lime water	> 0.5
Tensile adhesion strength after contact with chlorinated water	> 0.5



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