

LANKO



CHARACTERISTICS

- **Single-pack, Easy to use.**
- **Excellent curing.**
- **UV resistant.**
- **Superb elongation**
- **Excellent in tensile.**
- **Anti-fracture, No blistering.**
- **No reinforcement required.**
- **No tar, No bitumen, Non toxic.**

DESCRIPTION

453 K10 PLUS is a flexible single-pack waterbased polyurethane waterproofing and sealing membrane which is capable of curing in approximately 4 - 8 hours depending on the number of coats and temperature.

USES

- Ideal for waterproofing of facades, terraces, balconies and wet areas.
- Ideal for waterproofing of concrete roofs including walkways and planter boxes.
- For internal and external use.

FEATURES AND BENEFITS

- 453 K10 PLUS Plus has a tough flexible membrane film which eliminates the need for a reinforcing layer.
- 453 K10 PLUS Plus once cured can be tiled over using Davco's cement based or two part adhesive.
- 453 K10 PLUS Plus does not stain tiles or marble.
- 453 K10 PLUS Plus does not require protective screed.
- 453 K10 PLUS Plus can be applied on damp visibly dry surfaces without the fear of blistering.
- 453 K10 PLUS Plus is an environmentally friendly product that does not give off fumes or gases which will affect health.
- Because of its non-odour formulation, 453 K10 PLUS is suitable for use in confined areas.
- 453 K10 PLUS Plus is suitable for external areas of waterproofing, on walls and on the floors subject to ultra-violet radiation.

SPECIFICATIONS

- Appearance : Thick pasty liquid.
- Solid content : 60-70%
- Elongation at break : 380%
- Tensile strength : 3 N/mm²
- Adhesion to concrete : 1.03 N/mm²
- Hardness shore A : 85
- Cure time : 4-8 hours
- Touch dry at 30°C: : 12 hours

* Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

WORK INSTRUCTIONS

Surface preparation
Concrete

- All new concrete slabs must be allowed to cure for at least 6 weeks.
- Old concrete must be cleaned with a strong commercial grade detergent or degreaser. Thoroughly wash off all residue with clean water and allow the surface to dry for at least 24 hours.

Render

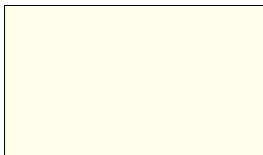
- New rendered surfaces must be allowed to cure for at least 7 days..

Lightweight Blocks

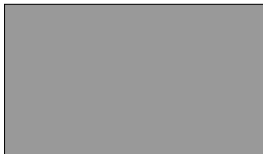
- Prime the surface with PRIMEMER or 453 K10 PLUS diluted 1 part to 2 with water.

Metal Surfaces

- All metal surfaces must be totally free of rust. Prime metal surfaces with etching primer.



White



Grey



Brick Red



Apple Green



Sky Blue

Shading of the colour samples may be somewhat different from the actual colours.



COVERAGE

Approx. 2 kg/m² at thickness 1 mm depending upon site condition.

PACKAGING

- 25 kg container.

STORAGE

1 year from date of manufacture if stored in unopened original packing in dry, frost-free conditions.

Cracks

- Hairline cracks up to 1mm wide, which experience no movement, may be duly filled up with 453 K10 PLUS before applying another layer over the area to be waterproofed.
- Structural cracks which experience movement must be filled with Davco Lapflex One and have a polypropylene tape securely placed over the crack. 453 K10 PLUS should then be applied over the area and on the tape, and allowed to cure.

Product preparation

- No mixing is required when using 453 K10 PLUS.

Drain Application

- Treat the inside and around the drain with a separate layer of 453 K10 PLUS before proceeding with the actual application of the whole surface area.

Application

- All substrates must be clean and sound prior to waterproofing.
- In using 453 K10 PLUS, the substrate shall be visibly dry.
- Spread 453 K10 PLUS onto the substrate using a lambs wool roller or brush.
- Apply in a thin continuous layer over the area to be waterproofed.
- Allows 1 to 2 hours in between each coat.
- Recommended coverage is 2 kg/m² @ 1mm thick in minimum 2 coats.
- Tools and excess 453 K10 PLUS can be cleaned up with water while it is still wet.

PRECAUTIONS

- Temperature range for use : 10°C to 45°C.
- Do not thin - Product is supplied ready to use.
- Do not add sand to the 453 K10 PLUS as this will reduce flexibility and could cause cracking.
- Do not use where negative hydrostatic pressure is evident.
- Surfaces must not allow water to stagnate.
- Clean brushes, rollers and trays with water before product dries.

Applications	Concrete	Render Screed	Lightweight Blocks	Tiled
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INTERIOR

Walls	O	O	O	O
Floors	O	O	X	O

EXTERIOR

Balconies	O	O	X	O
Terrace	O	O	X	O
Facades	O	O	O	O

EXTERIOR

Walkways	O	O	X	O
Pool Decks	O	O	X	O
Roofs	O	O	X	O

O Suggested X Not applicable