

LANKO

**Economical Product
with High Coverage**

CHARACTERISTICS

- **Ready-to-Use, Ease of Application.**
- **Fast-Dry.**
- **Extremely Flexible, High Elongation, Absorb Vibration.**
- **Water-Based, Non-Toxic, Non-Flammable.**
- **Bond to the Various Substrates.**

DESCRIPTION

A special SBR modified polymer, concealed waterproofing and sealing membrane, ready to use from the container.

USES

- Provides a totally waterproofing system, ideal for use in shower recess prior to tiling.
- Can also be used to waterproof terraces, balconies, concrete roofs with cement toppings.
- Bond to various substrates, e.g. concrete, render, existing tile, gypsum, metal/wooden surfaces, fibre cement/particle boards.

ADVANTAGES

- Marbles & Tiles can be fixed directly on 452 DAMPFLEX using Davco Tile Adhesive.
- 452 DAMPFLEX is a premixed waterproofing membrane making it easy to use directly out of the container.
- 452 DAMPFLEX is extremely flexible enabling it to cater for limited floor movement while absorbing vibration.
- Being a waterproofing membrane, 452 DAMPFLEX prevents surface water penetration when applied correctly.
- 452 DAMPFLEX is a water-based product therefore it is non-toxic and non-flammable.
- 452 DAMPFLEX has been approved by Australian Building Systems Appraisal Council Limited (ABSAC) enabling it to use on all local, State and Federal Government jobs.
- 452 DAMPFLEX is listed for Singapore use by accredited Authority.

SPECIFICATIONS

- Appearance : Grey Paste
- Specific Gravity : 1.15 kg/L
- Touch dry : 1 hours before it skins
- Drying time 20°C : 24 hours
- % elongation : > 500 %
- Tensile : 1.5 MPa

WORK INSTRUCTIONS

Surface preparation

General

- Wallboards, flooring grade particleboard and fibrous cement sheet must be firmly fixed in accordance with manufacturer's instructions.
- Screw and nail heads must be sealed with epoxy resin.
- Gyprock joints need to be covered with 50mm wide gyprock tape.
- All surfaces must be structural sound, dry and free from dust, grease, wax, oil, curing compounds and other loose contaminating materials.
- All loose mortar or plaster, etc must be removed and then the entire area cleaned to remove dust and dirt.

New concrete

- All new concrete slabs must be allowed to cure for at least 6 weeks before applying 452 DAMPFLEX.

COVERAGE

- Approx. 0.9 kg/m² at thickness 700 micron (Wet film, 1 coat).
- Approx. 1.2-1.4 kg/m² at thickness 600-700 micron (Dry film, 2 coats). depending upon site condition.

PACKAGING

- 4 kg container.
- 20 kg container.

STORAGE

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

Old Concrete

- Clean the surface with a strong commercial grade detergent or degreaser, then remove all residue with fresh water using a high-pressure hose.
- Allow the surface to dry thoroughly for at least 24 hours.
- Prior to using 452 DAMPFLEX, check and remove all protrusions from surface, which may pierce the membrane.

Render

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

Gypsum, Metal, Wooden Surfaces

- Ensure that all surfaces are totally free of rust.
- Prime the surface using Davco PRIMER XP.

Cracks

- Small hairline cracks, which experience no movement, may be filled by the first application of 452 DAMPFLEX.
- For hairline cracks wider than 2 mm, a joint filler should be applied along the length of the crack prior to the application of 452 DAMPFLEX.
- Structural cracks up to or greater than 2 mm wide, which experience movement, must be filled firstly with 603 POLYURETHANE prior to application of 452 DAMPFLEX.

Timber, fibre cement and particle boards

- Ensure all boards are fixed in accordance with the manufacturer's instructions.

Product preparation

- Do not thin, product is supplied ready to use.

Application

- Damp the surface.
- Apply the area with 452 DAMPFLEX directly from the can.
- Allow to dry for 2-4 hours at 25°C, depends on temperature, humidity and substrate.
- Apply a second coat and allow it to dry for 12 hours at 20°C (the application shall be minimum of 2 coats or 3rd coat may be necessary to ensure that the whole surface is uniformly applied and no pinholes are left on the surface).
- Protection screed can be carried out 6 hours after application of final coat.
- Ponding test can be carried out 24 hours after application of final coat.
- 452 DAMPFLEX must be protected by rendering or screed after 2 weeks of application.
- Tools and access 452 DAMPFLEX 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 452 DAMPFLEX 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.