

## Dani Flexy Shield

### Polymer Modified Flexible Cementitious Water Proof Membrane

#### Description

DANI FLEXY SHIELD IS A TWO COMPONENT POLYMER MODIFIED CEMENTIOUS COATING SUPPLIED IN READY TO MIX KITS. THE PRODUCT MAY BE TROWEL ,BRUSH OR SPRAY APPLIED TO PROVIDE A FLEXIBLE ,WATER PROOF BARRIER.

#### ◆ Typical Uses

- Non toxic- for potable water tanks and reservoirs.
- Protection of concrete against carbonation and chloride ion attack.
- Sea water channels coating.
- Covers honey combed and pitted poured concrete effectively.
- Protection against brackish water.
- Marble and granite backing to prevent water ingress.
- Swimming pools and silos.
- Foundation protection.
- Water proofing planter boxes.
- Roof water proof coating.

#### ◆ APPLICATION

For best results, surface should be damp care should be taken with porous substrates as more extensive pre- soaking will be required. Any free water on the surface should be removed immediately prior to applying Dani Flexy Shield. Apply the mixed product by medium hard short bristle brush, trowel or roller checking that the first coat is at a minimum wet film thickness of no more than 1.5mm and no less than 0.5mm. The product should always be finished in one direction. The second coat should be applied as soon as the first coat is set hard , normally after a minimum of 3 hours @ 25°C and longer at lower temperatures. This second coat should again be finished in one direction ( at 90° to the first coat).

The total thickness should be 1-2 mm on walls and 1-3mm on floors depending on the anticipated water pressure. As a general rule, the total coating thickness should be 1mm on walls and floors where the hydrostatic pressure is not likely to exceed 0.5m;1.5mm on walls and 2mm

on floors for hydrostatic pressure up to 3mm and 2mm on walls and 3mm on floors in situations where greater hydrostatic pressure will be experienced.

#### ◆ TECHNICAL DATA

Pot life @ 25°C 45 min.  
Colours: Grey, Off White.  
Minimum application Temperature not less than 5°C.  
Typical results @ 2mm Positive 7 bar Negative 3 bar Flammability Non Flammable.

#### ◆ CHEMICAL & WEAR RESISTANCE:

Dani Flexy Shield resists diesel, petrol, calcium chloride. Pacific FlexyGuard also has excellent resistance to weathering and can accept normal foot traffic.

#### ◆ Surface Preparation

The substrate must be clean, free from grease, oil and loosely adhering particles. Any repairs should be carried out using a cementitious repair mortar.

#### ◆ ADVANTAGES:

- Excellent crack bridging capabilities
- With stands high hydrostatic pressures
- High bond strength to concrete and masonry.

#### ◆ MIXING

Add Powder to the liquid slowly whilst mixing with a spiral paddle attached to a low speed electric drill. Minimum mixing time 5 minutes.

#### ◆ EQUIPMENT CLEANING:

Tools and equipment should be cleaned immediately using water as, on hardening the material can only be removed mechanically.

### ◆ **PACKAGING AND YIELD**

Dani Flexy Shield is supplied in 20 kg (two part packs). A complete mixed pack will cover approximately 6mm at 2mm thickness depending on the substrate profile.

### ◆ **STORAGE & SHELF LIFE:**

Store in cool, dry conditions in the original un-opened packs. The material has a shelf life of 12 months.

### ◆ **HEALTH AND SAFETY**

Dani Flexy Shield contains alkalis and protection should be provided to prevent contact with skin and eyes. Inhalation of dust must be avoided whilst mixing. Gloves, goggles and a dust mask must be worn.

#### ◆ **Eyes contact:**

Rinse with copious amounts of clean water and seek medical attention.

#### ◆ **Skin contact:**

Rinse with copious amounts of clean water followed by thorough cleaning with soap and water.

**Caution: DO NOT USE SOLVENTS.**

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