

## C-FLEX 2 *plus*

### 2-part highly flexible polymeric cementitious membrane

#### PRODUCT DESCRIPTION

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Tamsi C-FLEX 2 *plus* is a high quality fast curing polymer modified 2-part flexible cementitious waterproofing membrane. When mixed C-FLEX 2 *plus* forms a tough breathable membrane that is impermeable to water. C-FLEX 2 *plus* is easily applied by brush or roller on to horizontal or vertical surfaces.

#### ADVANTAGES

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- Easy to use, fast curing
- Non-toxic and low odour
- Flexible & Elastomeric – 450% elongation
- Durable, tough and long life
- Resists continuous water immersion
- Does not re-emulsify once fully dried
- Environmentally friendly – low VOC content
- Salt and carbon attack resistant
- Complies class III category AS4858 Wet Area Membranes
- Conforms to AS4654.1, Waterproofing membrane: non-exposed liquid membrane
- Compatible with cement based tile adhesives

#### USES

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##### Internal wet areas

- Bathrooms
- Showers
- Laundries
- Amenity areas

##### External areas

- Balconies and podium decks
- Landscaped areas
- Retaining walls
- Water features
- Detention tanks
- Swimming pools

Anti-Efflorescence Sealer – used over tile screeds

#### TECHNICAL DATA

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Colour: Powder – Grey, Liquid – White

Coverage: 1-1.5 m<sup>2</sup>/L each coat (minimum 2 coats)

Mix ratio: 1 liquid : 1 powder

When mixed yields approx 37 litres liquid membrane

Application temperature: 8-30 °C

Cure Time: Touch dry 2 to 6 hours, hard Cure 24-36 hours

Min Curing temp: 8°C

Solids: 90%

Elongation: 450%

Pot Life: 1h/25°C

VOC: Green Rated

## SURFACE PREPARATION

Surface to be treated must be sound and perfectly clean. Remove all cement laitance and any grease or oil. Any cracks need to be ground and filled with modified silicone sealant.

## MIXING

- Each 40kg kit contains 20kg liquid and two 10kg bags of powder. Makes two mixes.
- Mix ratio: 1 liquid : 1 powder.
- Pour 10kg of Liquid into a clean container and while mixing with a low-speed mechanical mixer slowly add 10kg of Powder until it reaches a uniform consistency.
- Do not mix by hand.
- Avoid lump formation by mixing slowly and check for any unmixed powder on the sides or bottom of the container.
- Leave for 10-15min to thicken, then re-mix before use.

## APPLICATION

- Absorbent surfaces must be slightly dampened with water before membrane application.
- Smooth surfaces or previous coatings, prime with Tamsi Hydrostop epoxy primer.
- Tamsi C-FLEX 2 *plus* can be applied by roller or brush
- Apply product at a minimum of 2 coats and at a total minimum coverage of 1.5 - 2L/m<sup>2</sup>, forming a dried film thickness of 1.5 - 2mm.
- At all junctions apply bond breaker or fast cure mastic fillet (allow sealant to cure before membrane application).
- At all junctions and cracks embed polyester/rubber reinforcing tape into membrane.
- Do not apply when surface temperature is below 8°C or above 30°C.

## OVERCOAT

Allow at least 4 hours of curing time depending on the weather

## PRECAUTIONS

- During conditions of low temperature or high humidity the C-FLEX 2 *plus* curing rate will slow dramatically.
- Avoid applying over any surfaces that have been previously coated or treated with curing compounds, concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding to produce a contamination free surface.
- Do not apply to areas when rain is imminent.

## SAFETY PRECAUTIONS

Avoid contact with skin and eyes. Use protective gloves and goggles. Ensure there is adequate ventilation and avoid breathing vapours. Keep away from children.  
If swallowed do not induce vomiting. Give plenty of milk or water. Seek medical advice.  
Keep containers in a well-ventilated place. In enclosed areas, such as water tanks and basements, ventilation should be provided to enable adequate evaporation of the coating. In case of eye contact, rinse with plenty of water or contact Poisons Information Centre. If swallowed immediately contact doctor or Poisons Information Centre 131 126. ADDITIONAL INFORMATION IS LISTED IN (MSDS)

## CLEAN UP

Clean up with water while wet. Once dried product needs to be removed mechanically or by solvent.

## PACKAGING

40kg kit  
Liquid component: 20kg  
Powder component: 20kg