

# C-FLEX 2 *plus*

## HIGHLY FLEXIBLE 2-PART CEMENTITIOUS WATERPROOFING MEMBRANE

### PRODUCT DESCRIPTION

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

- 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

#### External areas

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

#### Internal wet areas

- Bathrooms
- Showers
- Laundries
- Amenity areas



COLOUR	Powder – Grey, Liquid – White
COVERAGE	1.5-2L/m <sup>2</sup> at 2 coats
MIX RATIO	1 liquid : 1 powder
APPLICATION TEMP	8-30 °C
RE-COAT	2-6 hours
HARD CURE	24-36h (15-30 °C 65%RH), min 5 days for flood testing
MIN CURING TEMP	8°C
SOLIDS	90%
PACKAGING	40kg kit: liquid: 20kg, powder: 20kg

**SURFACE PREPARATION**

All surfaces to be treated must be structurally sound; and existing coatings, adhesives, efflorescence should be removed to achieve maximum bond strength and resistance to hydrostatic pressure. Surfaces must be cleaned free of dirt, grease, oil, or other surface contaminants. Holes, non-structural cracks or other surface deformities should be repaired.

**MIXING**

(Mixing instructions apply for a 40kg kit. For 20kg kit half the amounts mentioned.)

- Each 40kg kit contains 20kg liquid and two 10kg bags of powder. Makes two mixes.
- Mix ratio: 1 liquid : 1 powder.
- When mixed yields approx 37 litres liquid membrane
- 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.
- Planter Boxes' waterproofing must be in accordance with AS4654.2-2012 For planter boxes and retaining walls, protection board must be placed against membrane before back-filling. Planter bases need to have drainage cell and protection board to allow water flow and to protect the membrane.

**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.

Disclaimer: This Technical Datasheet (TDS) contains technical details and recommendations based on our best knowledge and the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Tamsi Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in an accordance with any advice, specification, recommendation or information given by it.  
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