

CEMIFLEX1

1-part flexible cementitious waterproofing membrane

PRODUCT DESCRIPTION

Tamsi CEMIFLEX1 is a high quality flexible polymer modified 1-part cementitious waterproofing membrane, suitable for a range of positive and negative waterproofing applications. When mixed with water forms a tough breathable membrane that is impermeable to water. CEMIFLEX1 is easily applied by roller, brush or trowel on to horizontal or vertical surfaces.

ADVANTAGES

- Easy to use, fast curing
- Able to be used for positive and negative waterproofing
- Flexible & Elastomeric – 250% elongation
- Non-toxic and low odour
- Good crack bridging properties
- One component, mixed with water, ready for use
- Durable and tough
- Resists continuous water immersion
- Does not re-emulsify once fully dried
- Environmentally friendly – low VOC content
- Salt and carbon attack resistant
- Complies class II category AS4858 Wet Area Membranes
- Conforms to AS4654.1
- Compatible with cement based tile adhesives
- Withstands UV exposure

USES

- Basement walls, both internal and external sides
- Terraces and podiums
- Under tiles and pavers in external areas
- Can be applied over damp concrete/render
- Landscaped areas
- Retaining walls
- Water features
- Detention tanks
- Swimming pools
- Anti-Efflorescence Sealer – used over tile screeds

TECHNICAL DATA

Colour: Grey

Packaging: 15kg bag

Coverage: total minimum coverage 2L/m² (minimum 2 coats), forming a dried film thickness of 2mm

Mix ratio: 2.5 – 3L of water (applying with a trowel) or 3-5L of water (applying with a roller) : 15kg powder.

Application temperature: 8-30 °C

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

Min Curing temp: 8°C

Elongation: 250%

Hydrostatic pressure: able to withstand 1.4 bar negative pressure and 6.5 bar positive pressure

Pot Life: 40-60min/25°C

VOC: Green Rated

SURFACE PREPARATION

Suitable substrates for bonding: render, screeds and masonry surfaces, concrete blocks and clay bricks. For more surfaces contact Tamsi technical.

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

MIXING

- Tamsi CEMIFLEX1 consists of 15kg dry powder.
- Mix ratio: 2.5 – 3L of water (applying with a trowel) or 3-5L of water (applying with a roller) : 15kg powder.
- Pour 2L of water into a clean container and slowly add the powder, while mixing with a low-speed mechanical mixer slowly until it reaches a uniform consistency. Slowly add the remainder of the water until a consistent membrane is formed.
- 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 3-5min 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 CEMIFLEX1 can be applied by roller, brush or trowel.
- For general waterproofing and immersed applications apply product at a minimum of 2 coats and at a total minimum coverage of 2L/m², forming a dried film thickness of 2mm. For preventing ingress of water under pressure a min 2.5mm dried film thickness is required.
- 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.

CLEANING

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

PRECAUTIONS

- During conditions of low temperature or high humidity the CEMIFLEX1 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)