

Kemscreed

Two-pack, fast drying, waterproofing membrane

Packaging



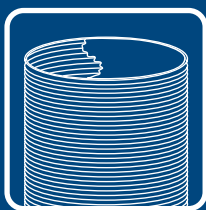
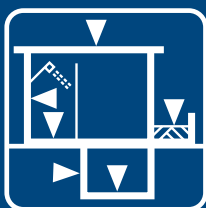
Mixing



Application



Uses



Substrates

Concrete, Brick
Block, Roofs
Decks, Basements
Pools, Wet areas
Tanks

Description

Kemscreed is a two-pack, cement and acrylic polymer, flexible, fast setting waterproofing membrane. **Kemscreed** can be applied to masonry building surfaces and will remain pliable and elastic and will bridge cracks and smooth irregular surfaces.

Uses

A waterproofing membrane for internal wet areas i.e. bathrooms, kitchens, laundries and toilets. It can be used externally when protected from UV light by tiles, screed or an external coating on balconies, roofs, retaining walls, planter boxes and ponds on cement render, concrete, brick and block.

Features

- Easily applied
- Fast set
- Excellent adhesion to common building surfaces
- Bridges hairline cracks

Performance Data

Tensile Strength

1.51MPa (DIN 1048 part 5)

Elongation

70% (DIN 1048 part 5)

Water Penetration

Nil water penetration when tested to DIN 1045 part 5 when subjected to 5 bars of pressure for 5 days.

Coverage (Approximate)

10L/20kg pack covers 10-12m² (2 coats)
Apply a minimum of 2 coats at a minimum rate of 0.7mm thick/coat (1kg/m²)

Specification

The waterproofing membrane shall be a two-pack, cement based acrylic membrane and have a minimum of 1.5MPa tensile strength and 70% elongation such as **Kemscreed** manufactured by **Construction Chemicals** and shall be applied in accordance with the manufacturer's application instructions.

Surface Preparation

Surfaces to be waterproofed must be sound and clean of grease, oil, dust, laitance and all contaminants. Prime masonry surfaces i.e. concrete, render, brick and block with **Primebond** or **Primax**. Render/screed must be 7 days old and concrete 28 days old and minimum 25MPa.

Junctions in building surfaces

At the junction of building surfaces and over cracks in surfaces, apply 50mm of bond breaking tape evenly to both surfaces. Apply a 150mm wide coat of the membrane evenly over the bond breaking tape and bed in the 140mm wide **Reomat** while the membrane is wet. Place the bond breaking system centrally over the joint or crack and this will help to accommodate the extremes of movement that can occur in these areas.

Mixing

Pour 5 litres of liquid into a mixing container and slowly add 10kg of powder. Mix using a slow speed electric drill and mixing paddle. Add powder slowly to the liquid until all lumps are dispersed and the mix is creamy. Do not mix more than can be used in the pot life. Hand mixing is not recommended.

Application

Apply with a brush or roller a minimum of two coats and apply the second at 90° to the first as soon as it is dry (recoat time is approximately 2 hours at 20°C).

Pot Life

1 hour @ 20°C @ 50% relative humidity.
Pot life is shorter in higher temperatures.
Cover material when not in use.

Precautions

- Apply in temperatures 10°C - 30°C
- Do not thin or add filler
- Do not apply to surfaces subject to hydrostatic water pressure
- Do not leave membrane exposed to UV light
- Precaution should be taken when the membrane is curing in sunlight or windy conditions

Curing

4 hours @ 23°C @ 50% relative humidity.
Protect from rain for 4 hours. Cure times increase in colder weather and decrease in hot conditions. Immersed applications must be allowed to cure for a minimum of 3 days before putting to use.

First Aid

Refer to the Material Safety Data Sheet.

Clean Up

Clean with hot or cold water when uncured and a solvent (i.e. xylene) or similar when cured.

Protective Clothing

This product contains cement and silica and should be applied in rubber gloves, goggles, protective clothing and dust mask.

Shelf Life

1 year on an unopened bag from date of manufacture.



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The information contained in this technical publication is based on our current knowledge and experience and is provided as a guide only. In view of the many factors that may affect application it is the user's sole responsibility to ensure suitability for a specific purpose.