

### PACKAGING



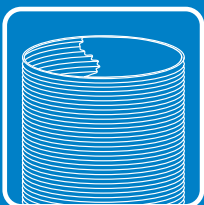
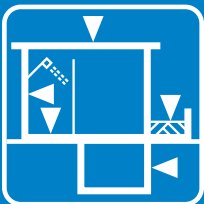
### MIXING



### APPLICATION



### USES



### SUBSTRATES

CONCRETE, BRICK  
BLOCK  
BUILDING BOARDS  
ROOFS, DECKS,  
BASEMENT, POOLS,  
WET AREAS, TANKS

### DESCRIPTION

Kemscreed is a two pack fast drying cementitious/acrylic flexible waterproofing membrane that is easily applied to form a resilient waterproof membrane between different building surfaces. Kemscreed will remain pliable and elastic and will bridge cracks and smooth irregular surfaces. Internal wet areas must be waterproofed in accordance with AS 3740 and local regulations. For more details refer to brochure titled "Waterproofing Enclosed Shower Alcoves Prior to Tiling".

### USES

A waterproof membrane for roofs, balconies, retaining walls, planter boxes, ponds, internal wet areas (eg bathrooms, kitchens, laundries and toilets). For use on cement render, concrete, brick, block and building boards such as gypsum and cement sheeting on walls and structural timber and compressed cement sheeting on floors.

### FEATURES

- Easy to apply
- Suitable for internal and external uses
- Faster drying than traditional one packs

### COVERAGE (approximate)

10L/20kg pack covers 10 - 12m<sup>2</sup> (2 coats)

### PERFORMANCE DATA

Tensile Strength 2.42 MPa (ASTM D412-92)

Elongation 86% (ASTM D412-92)

### SPECIFICATION

The waterproof membrane shall be Kemscreed, a two part cementitious/acrylic membrane manufactured by Construction Chemicals and shall be applied in accordance with the manufacturer's application instructions.

### SURFACE PREPARATION

Surfaces must be sound and clean of grease, oil and dust and other contaminants. Treat surfaces as follows before applying Kemscreed: Galvanised Iron – new. Degrease with xylene or similar and wash clean with water and allow to dry. Rusty Surfaces – Wire brush to remove flaky rust and treat with rust inhibitor. Timber – Prime with a timber primer. Plastic pipes – Roughen area to be coated with sand paper. Painted surfaces – abrade with a wire brush or sand down to obtain a good mechanical key. Scrub thoroughly with detergent and water and allow to dry. Cement Sheet/Plaster Board – Prime with 50:50 mix of Bonding Additive and water. Masonry – Render/Screed must be at least 7 days old, concrete 28 days old and a minimum of 25 MPa. Smooth concrete must be mechanically roughened, washed thoroughly and allowed to dry.

### MIXING

Pour 2 litres of liquid into a mixing container and slowly add 4 Kg of powder. Mix using a slow speed electric drill and mixing paddle being sure to add powder to the liquid, mixing until all lumps are dispersed and the mix is creamy. Do not mix more than can be used in the pot life time. Hand mixing is not recommended.

### APPLICATION

Apply two coats. Apply the second coat at 90° to the first as soon as it is dry. (Recoat time is approximate 2 hours at 20°C). Use a soft brush or roller for best results. Trowel applied adjust mix to suit. A final film thickness of 1.5mm is required.

## POT LIFE

2 hours at 20°C @ 50% R.H.

## PRECAUTION

The membrane will crack on the surface if excess powder is used. Do not thin or add filler.

- Apply at temperatures between 10°C-30°C.
- At above 30°C temperatures the membrane exhibits thermoplastic characteristics.
- Not to be used over surfaces where continuous rising damp is a problem for hydrostatic pressure is present.
- Used in shower alcoves should be allowed approximately 72 hours at 20°C 50°RH (depending on conditions) before tiling. Allow 7 days after application of before using shower.
- It is advisable to flood test the shower after curing (approximately 72 hours at 20°C 50°RH). This should be done before tiling commences.

## SHOWER ALCOVES

It is advisable to flood test the shower after curing (approximately 72 hours). This should be done before tiling commences.

## JOINT/CRACKS

Apply 50mm wide bond breaking tape (masking tape) over the crack or the junction of the two surfaces and bed an open weave glass mesh into the first wet coat of Kemscreed. Bridge the crack by a minimum of 50mm each side.

## CURING

6 hours 20°C @ 50% relative humidity. Protect from rain for the first 6 hours. Cold damp conditions – increases curing time. Hot dry conditions – reduces curing time. **Immersed applications ie. ponds, must be allowed to cure for 7 days before being put into use.**

## FIRST AID

If swallowed, do not induce vomiting. Give a glass of water and seek medical advice.

## CLEANUP

Clean up in water. Cured material with Xylene solvent or similar.

## SHELF LIFE

Powder: 1 year.

Liquid: 2 years.



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