

# CALFLEX



## DESCRIPTION

CALFLEX is a single component, water-based waterproofing system designed for indoor and outdoor use. CALFLEX is AS 4858 compliant.

## APPLICATIONS

Suitable for use on many substrates including Gyprock, fibre cement, concrete, render brickwork, render and plasterboard. CALFLEX can be used to help water/damp proof basements, kitchens, bathrooms, balconies and decks, shower recesses as well as a damp-proof membrane in sandwich panel construction.

## FEATURES

CALFLEX provides many benefits to the user including

- Water based for easy clean up in water
- Low odour for easy use without irritation
- Fast drying can be recoated after 4-6 hours at normal room temperature
- Can be used indoors/outdoors
- Works well with many cement based tile adhesives
- Does not require reinforcing for it to be effective
- AS4858 Class III High Extensibility Certification

## TYPICAL PROPERTIES

Appearance: Light blue paste.

Film thickness: @1m<sup>2</sup>/L/Ct, DFT ~470 microns

Recoating: 4-6 hours at 25°C

Cure Time at 25°C: 3 days

## PREPARATION

All surfaces to which CALFLEX is to be applied should be free of efflorescence, bore stains, dust, tyre marks, oils (mineral or vegetable), grease, loose material (for example builder's rubble), paint or coatings of any type, mould, bitumen, adhesives,

silicones and curing compounds. Surfaces should also be as dry as possible before application of CALFLEX.

Loosely adhered particles such as rust scale, cement smears should be thoroughly cleaned with a wire brush or other such implement.

**Concrete:** All new concrete surfaces must be fully cured (28 days min) with a semirough surface appearance. Rendered surfaces must be allowed to cure for a minimum of 7 days prior to the commencement of waterproofing.

Gypsum/Plasterboard sheets must be installed to the manufacturer's guidelines with all joints being covered with a 50mm wide PP or PE tape whilst all screw/nail heads must be sealed with epoxy. When used as a wall substrate, sheet thickness should be a minimum 10mm thick.

Fibre Cement sheets when used as a floor/wall underlay sheets should be a minimum 6mm thick whilst compressed fibre cement sheets should be a minimum 9mm thick for walls and 15mm thick for floor applications.

Metal Surfaces ensure surfaces are rust free with any hairline cracks being filled with a suitable gap filler whilst cracks larger than 2mm should be filled then the surface sealed with a PP or PE 50mm wide tape.

## PRIMING

Most surfaces can be primed with GENPRIME, whilst metal surfaces should be primed with CORROPEL. If hydrostatic water pressure is a concern, prime with PLICRETE.

The GENPRIME, CORROPEL and PLICRETE can be applied with a brush, roller or airless spray

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IDENTIFICATION  
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depending on the size of the area required to be primed. Refer to individual data for detailed instruction. If there is any doubt as to which primer to use, contact Calmarc.

All primers should be dry before application of the CALFLEX.

## APPLICATION

Apply the first coat of CALFLEX with a brush or roller on the dry, primed, clean surface. Once the first coat is completely dry, apply the second coat at 90° right angles to the first coat ensuring a complete coverage. Please note that air bubbles trapped under the surface must be removed in order to achieve the maximum waterproofing effect. Ensure that the finished coating is free of any pinholes. Allow a minimum of 48 hours at 25°C before commencing to apply a suitable, polymer modified tile adhesive. Please note that a third coat may be required if any imperfections are present in the membrane.

Spread rate is 1m<sup>2</sup>/litre/coat. A minimum of two coats of CALFLEX are required for any application.

## CLEAN UP

All tools and implements should be thoroughly cleaned with water immediately after use. If CALFLEX is set as a film, use MARCMOVE to remove

## HEALTH & SAFETY

Avoid prolonged contact with skin. To avoid accidental contact with eyes please wear protective clothing, goggles, gloves, safety shoes etc if accidental contact with eyes does occur, immediately flush with water and seek medical advice.

## STORAGE

When stored in a cool, dry place the contents of the original unopened container can typically be used approximately twelve (12) months from the date of manufacture.

## PACK SIZES

CALFLEX is supplied in 15 litre containers.

## Supplementary Notes

CALFLEX is not to be used in areas of permanent water immersion such as ponds, swimming pools, spas.

CALFLEX should not be applied if temperature is below 10°C or above 35°C.

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