

Evergreen MEGAFLEX

TECHNICAL DATA SHEET

DESCRIPTION

Megaflex is a 2-component elastomeric waterproof and moisture barrier coating with added fibre.

PRINCIPLE USES

Megaflex is highly elastic with exceptional adhesion properties that can be used to waterproof:

- Concrete structures, storage tanks, pipes,
- basements, water canals, bridges and both internal and external walls and floors against hydrostatic pressures.
- Moisture barrier for concrete coatings
- Balconies, showers and under tiled applications.
- Water features, fountains, swimming pools, ponds and sewage treatment plants.
- Protection of new and old exposed concrete against carbonation, chloride and sulphate attack.

ADVANTAGES

Hassle-free and easily applied by brush, roller, trowelled or by mechanical method.

Highly flexible with crack bridging capabilities

Excellent adhesion to most masonry substrates

Non- toxic to water plants and fish.

Can be used with or with-out membranes.

SURFACE PREPERATION

Concrete- must be structurally sound.

Remove all oil, grease, paint, corrosion, dust and surface deposits. This can be done by wire brush, water jetting or sand blasting, the substrate must be dry or slightly wet.

Deep voids, cracks and spalling must first be repaired.

LIMITATIONS

Do not apply if surface temperatures are below 9°C.

Avoid excessive heat 35°C and higher.

Relative air humidity of <75% RH.

Protect freshly placed coating against direct sunlight, heavy winds and rain for 24hours.

Megaflex will cure slower in humid conditions.

POT LIFE

Approximately 45minutes at 25 °C

PERFORMANCE DATA

- Chemical base
- Liquid- acrylic polymer dispersion in Powder- cement aggregates, fibre and additives
- Tensile strength 4.35Mpa
- Flexural strength 10.6Mpa
- Compressive Strength <32Mpa at 28 days
- Bond strength 1Mpa at 23C°/50%RH
- Water permeability at 48 hours Nil

MIXING INSTRUCTIONS

- Megaflex must be mixed mechanically.
- Pour the liquid part into a mixing container, then slowly add the powder component whilst stirring with a low-speed paddle drill.
- Add powder until desired consistency is achieved.
- Mix for 3 minutes ensuring the mixture is uniform, smooth with no lumps.
- A maximum of 200ml water can be added to adjust consistency

APPLICATION

Keep substrate moist during application. Megaflex can be applied by trowel, roller, brush or mechanical spray equipment. Apply at a maximum thickness of 1,5mm per coat.

APPLICATION METHOD

- Apply 2 x sealing coats and one tack coat
- The two sealing coats must be applied at right angle.
- Ensure that 1st coat is completely dry before applying the 2nd coat, usually 2 to 4 hours. Leave sealing coats to dry for 48 hours then apply tack coat.
- Use membrane to cover cracks or highly stressed areas embedded into the base coat mortar.
- All water retaining structures leave for 7 days before adding water.

YIELD

At a consumption rate of 1,5 to 2,5kg per m² the yield per 15kg kit will be between 6 to 10m².

PACKAGING

Liquid Part A 5lt
Powder Part B 10kg

SAFETY & HANDLING

Wear dust masks when mixing. Use gloves, eye protection at all times. Should the product come into contact with eyes, wash immediately and seek medical advice

SHELF LIFE & STORAGE

12 months when stored in a cool dry place, failure to comply with these recommendations will result in a reduction in shelf life

Note: The information and specifications provided is to the best of our knowledge. The technical data contained herein are true and accurate at the date of issue and are subject to change without prior notice. No guarantee of accuracy is given or implied. We guarantee our products to conform to Evergreen Coating products quality control. We cannot be held responsible or liable, directly or indirectly for the use of our products, coverage, performance or injury resulting from use, as we have no control over the method of application used or site conditions. For further technical and method statements, contact your technical representatives