

PRODUCT DATA SHEET

Description

Superflex C400 is a 2 component elastomeric waterproof coating with added fiber

Protect freshly placed coating against direct sunlight, heavy winds and rain for 24hours
Superflex will cure slower in humid conditions

Principal uses

Superflex 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
- 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

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

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

Mixing instructions

Superflex C400 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

Surface preparation

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.
Consult with your local representative about our range of repair mortars.

Application

Keep substrate moist during application

Superflex can be applied by trowel, roller, brush or mechanical spray equipment. Apply at a maximum of 1,5mm per coat.

Use Polyflex membrane to cover cracks or highly stressed areas embedded into the base coat mortar.

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

Limitations

Do not apply if surface temperatures is below 9°C

Avoid excessive heat 35°C and higher

Relative air humidity of <75% RH

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the 2nd coat, usually 2 to 4 hours. Leave sealing coats to dry for 48 hours then apply tack coat.

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

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