

## PRODUCT DATA SHEET

### PRODUCT: C400

### SUPAFLEX WATERPROOF COATING

#### Description

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

#### Principal uses

Supaflex 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

#### 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

#### Performance data

Chemical base

Liquid- acrylic polymer dispersion

Powder- cement aggregates, fibre and additives

Tensile strength 4.35Mpa

Flexural strength 10.6Mpa

Bond strength 1Mpa at 23C°/50%RH

Water permeability at 48 hours Nil

#### 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.

#### Pot life & Curing

45minutes at 25 °C

#### Mixing instructions

Supaflex 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 500ml water can be added to adjust consistency

#### Application

Keep substrate moist during application Supaflex 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 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

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### **Yield**

At a consumption rate of 4 to 5kg per m<sup>2</sup> the yield per 30kg kit will be between 5 to 7,5m<sup>2</sup>

### **Limitations**

Do not apply if surface temperatures is 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  
Supaflex will cure slower in humid conditions

### **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

### **Packaging**

Liquid Part A 10lt  
Powder Part B 20kg

### **Shelf life & storage instructions**

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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