



# SCB FLEXCOAT

## ELASTOMERIC WATERPROOFING SYSTEM

### DESCRIPTION :

**SCB Flexcoat** is a ready to use flexible slurry based on a special synthetic resin dispersion and a blend of selected cements mixed with carefully graded aggregate.

### USES :

**SCB Flexcoat** is used for :

- \* Protection and repairs of balconies, terraces and haunching concrete of road and bridges.
- \* Waterproofing of new and old building (internal and external)
- \* Waterproofing of tanks, containers and water reservoirs.

### FEATERS/ADVANTAGES :

Excellent waterproof barrier.

- \* Effective on negative or positive side.
- \* High bond strength.
- \* Excellent freeze/thaw resistance.
- \* Excellent resistance to chloride ion penetration.
- \* Brush, trowel, or spray applied.
- \* Reliable application.
- \* Self-curing.
- \* Low in-place cost.
- \* Non-toxic.
- \* Good abrasion resistance.
- \* Approved for use in potable water systems.

### SURFACE PREPARATION :

The surface must be clean, sound and free of dust, loose particles, cement laitance, grease, rust and other contaminants. Exposed reinforcement should be treated with MCI2020 (Migrating Corrosion Inhibitors) for reinforcing steel and rough areas, honeycomb etc. must be treated with the relevant SCB Patch repair mortar or scraper coat. Advice regarding the repairs of larger cracks

should be sought from our Technical Department before commencing remedial work.

Absorbent surfaces such as concrete or plaster must be pre-wet with clean prior to the application of **SCB Flexcoat**. At the time of actual application, the surface should be damp but free of any standing water, **SCB Flexcoat** may not be applied below 5°C or above 35°C. Should the relative humidity be below 35%, **SCB Flexcoat** should be lightly sprayed with water shortly after initial set and then once again after approximately 3 hours. Whilst curing **SCB Flexcoat** should be protected from heavy winds and intense sunshine.

### MIXING :

It is essential to use a mechanical mixer, such as a slow speed electric drill fitted with a suitable paddle. Our Technical Department will be pleased to supply details of blade design.

Fill approximately three quarters of component A (milky liquid) into a pail and, with continuous stirring, slowly add component B (white powder) Mixing must be continued until the mix is homogeneous and free of lumps.

For horizontal surface such as the base of reservoirs, add the remaining component A. For their applications add only sufficient component A to provide a suitable consistency.

### MIX PROPORTIONS :

Flexible Coating : 2 Powder / 1 Resin

Flexible Slurry : 3 Powder / 1 Resin / 0.2 Water

Flexible Screed : 4 Powder / 1 Resin / 0.5 Water

### PROPERTIES :

The following figures are based on laboratory tests and may be regarded as typical. Variations from the results shown may be experienced in field mixes.

Nominal coverage : 1.5 kg / m<sup>2</sup> / 1mm. thick.

Drying Time : 3 hours

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### APPLICATION :

**SCB Flexcoat** may be applied to the correctly prepared surface by short bristled block brush, rubber squeegee, trowel or spray.

Brush : using a block brush, **SCB Flexcoat** should be applied in three coats too provide a final dry film thickness of between 2 - 3 mm. on surfaces. Alternate coats should be applied at right angles to each other, allowing 3 hours between coats.

Trowel : horizontal surfaces - the first layer of **SCB Flexcoat** should be applied to a thickness of 1 - 1.5 mm. using a normal trowel. Allow to cure for approximately 3 hours and then apply a second layer using a notched trowel, This is immediately levelled with a spiked roller.

On vertical surfaces, the first lays should be applied with a notched trowel and the second with a flat trowel **SCB Flexcoat** should not be applied thicker than 1.5 mm. per coat.

Spray : contact our Technical Department for details of the special equipment required.

GLOVES SHOULD BE WORN WHEN MIXING AND USING **SCB Flexcoat**

### PROPERTIES AFTER MIXING :

When the two components are mixed together, a plastic thixotropic liquid results which is easy to apply.

The very finely dispersed resin component imparts excellent adhesion to concrete, plaster, and naturalstone surfaces.

On cured, **SCB Flexcoat** is waterproof and resistant to weathering. It exhibits a high degree of impermeability to water vapour and carbon-dioxide. The cured coating is highly flexible and may be used to overbridge hairline cracks up to 0.2 mm. in width, **SCB Flexcoat** is non-toxic and contains no chlorides.

### CLEANING :

Tools must cleaned with water before the **SCB Flexcoat** has allowed to cure.

### SHELF LIFE :

12 months tightly closed in original packaging store under dry, cool conditions.

DO NOT ALLOW COMPONENT A TO FREEZE

### PACKAGING :

35 kg units