

Polymer modified flexible  
cementitious coating

### About this product

Mulsifix Brushcoat HF is a two component acrylic modified flexible cementitious waterproof coating for brush, spray or roller application. It consists of specially selected cement, graded aggregates and additives supplied in powder form together with a liquid component of special synthetic resin dispersion. It is formulated as a protective, water resistant or cosmetic coating to cover non-structural surface defects in new and old concrete.

### Uses

Mulsifix Brushcoat HF can be used for external and internal waterproofing, repair work and protection from the elements on the following structures :

- Water tanks
- Bridges and bridge decks
- Sea walls
- Balconies and planter boxes
- Basements
- Retaining walls
- Rainwater gutters
- Bathrooms and kitchens.

### Features and benefits

- Factory pre-blended products to eliminate on site errors.
- Excellent adhesion.
- Easy to apply.
- Flexible.
- Overbridging hairline cracks.
- Resistant to water penetration.
- High resistance to carbon dioxide.
- Non toxic.
- Can be tiled or screeded over.

### Typical properties

Adhesion strength	> 3 N/mm <sup>2</sup>
Flexural strength (BS 4551)	3.3 N/mm <sup>2</sup>
Tensile strength	1.5 N/mm <sup>2</sup>
Elongation at break	160%
Plastic density	1650 kg/m <sup>3</sup>
Pot life	1/2 to 1 hour (Varies with temperature)
Water absorption	< 1 %
Colour	Grey
Number of coats required	Normally two

### Application

#### Preparation

Concrete substrates must be adequately prepared either by scabbling, needle gunning or other appropriate means.

Old concrete surfaces contaminated with oil or grease require suitable preparation such as steam cleaning in conjunction with a suitable detergent. Care must be taken to ensure that the oil or grease is removed from the surface and not simply spread over a large area. New concrete should be cured for at least 14 days using an approved curing technique e.g. polythene film. Spray-on curing membranes are unsuitable.

Prior to the application of Mulsifix Brushcoat HF, the concrete should be thoroughly wetted but all surface water must be removed.

#### Mixing

Mulsifix Brushcoat HF must be mixed in a forced action mixer or by slow speed (max. 500 rpm) drill with suitable mixing paddle.

Pour about 2/3 of the liquid Component 'B' into the mixer. Slowly add all the powder component 'A' to the liquid and mix to a smooth paste free from lumps of undispersed powder. Dilute to a brushable consistency using the remaining liquid. Less liquid may be used if a stiffer mix is required.

Do not add water or more liquid than has been provided in the package.

#### Application

While the substrate is damp, apply Mulsifix Brushcoat HF to the surface with a brush, roller or spray. Do not over spread, or apply too thickly. Two coats are normally required, the second coat should be applied within 24 hours after the first coat.

A trowel may be used for applying stiffer mixes to more uneven substrates. Tools and equipment must be cleaned with water before the product dries. Brushes which become clogged may be cleaned by soaking in very hot water with little detergent.

Do not apply when raining or when rain is expected before the coating has dried.

# Mulsifix

## Brushcoat HF

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### Packaging and coverage

Mulsifix Brushcoat HF is supplied in 20kg multi-wall kraft paper bag with one ply of polythene lining component 'A' and two plastic containers contain approximately 5kg each of Latex Component 'B', sufficient to cover 20 to 25 m<sup>2</sup> per two coats depending on surface condition. Normally two coats are sufficient.

### Precautions

Do not add water or more liquid than has been provided in the package.

Do not place when substrate temperature is below 4°C or when ambient temperature is below 4°C on a falling thermometer.

When fully cured Mulsifix Brushcoat HF is stable to freeze/thaw conditions but should not be applied when conditions are not suitable in accordance with good concreting practice.

### Storage

Store in cool, clean, dry conditions. Do not store above 40°C. Shelf life in undamaged or unopened bags in correct storage conditions is at least 12 months. Do not allow liquid to freeze.

### Health and safety

The product contains cement which is alkaline and may cause skin irritation, we therefore recommend the use of protective clothing and gloves. Mixing should be carried out in well ventilated conditions and breathing of dust must be avoided. Any powder or liquid contacting the skin should be washed off as soon as possible and any contamination of the eyes should be treated by irrigating with copious amounts of clean water. If irritation persists, obtain immediate medical advice.

### Quality

The product is factory produced and quality controlled and when used as described will perform satisfactorily. We cannot be responsible for other materials, misuse of the product or poor workmanship. We have the right in any dispute arising to have the product tested by an accepted method.

### Technical service and representation

We can provide technical service at the specification stage and/or during application through our Technical Department or Laboratory. Detail specification or further information can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.