

# Febtank Super

## Waterproof Coating For Concrete And Masonry

- Permanent waterproofing system for basements, cellars, pools, reservoirs and below ground level applications
- Resists positive and negative water pressure
- Interior and exterior use
- Ready to use, mix with water
- Coverage, 3kg/m<sup>2</sup>, laid at a depth of 3mm

Colour	Product Code	Pack Size	Box Qty
Grey	FBTANKSGY	25KG	1
White	FBTANKSWE	25KG	1



## Febtank Super

### Product Description

FEBTANK SUPER, when mixed with clean water, forms an extremely durable waterproof coating for concrete and masonry which is easily applied by a stiff hand brush, broom or spray. Both products may be covered with a decorative finish or left uncovered.

### Typical Uses

Waterproofing of basements, foundations, water reservoirs, tunnels and floors and walls in shower and bathroom areas prior to the application of a decorative finish.

### Features & Benefits

- Suitable for interior and exterior use, above and below ground level.
- Water vapour permeable. Solvent free.
- High bond strength, becomes integral part of the substrate.
- To be mixed with water only.
- Can be brush or spray applied.
- Can be applied onto a damp substrate.

### Instructions for Use

#### Substrate Preparation

The surface to be coated must be clean and sound. Remove all traces of formwork, release agents, previous coatings, laitance and any contaminants that may affect the bond adversely. Suitable cleaning methods include high-pressure water treatment and abrasive blasting. Chemical cleaning treatments or aggressive percussive methods such as scabbling are NOT recommended. After the above treatment, surfaces must be thoroughly washed with clean potable water to remove all dust and loose particles. Cracks and bolt holes must be cut out and filled solid with FEB WATERPLUG prior to the application of FEBTANK SUPER.

Basements in areas containing high levels of soil or ground water sulphates may require a pre-treatment render.

### Mixing

Mixing should only be done by hand or via slow speed drill/paddle (400-600rpm). Gradually add powder to water whilst mixing at a rate of 25kg powder to 5ltrs water to achieve a thick creamy lump free consistency. Leave to stand for 10mins prior to applying. Remix and add a very small amount of water if required to restore original consistency. Never use more than 5.4ltrs of total water. Mixed material must always be used within 30 minutes, or less under hot weather conditions.

### Application

Note: Do not apply FEBTANK SUPER to frozen substrates or if the ambient temperature is below 5°C or expected to fall below 5°C within 24 hours. Avoid application in direct sunlight. Always apply the mix to a pre-dampened surface.

FEBTANK SUPER is a minimum two coat application system. Always dampen surfaces to aid adhesion. Remove all free standing water prior to application. Apply by stiff brush or broom or with traditional mortar spraying equipment. The actual thickness per coat must be between 1.0 and 2.0mm. Normal application rate is 3kg/m<sup>2</sup> for an overall two coat application. Increase to 6kg/m<sup>2</sup> for areas of excessive water pressure.

**Refer to the Technical Datasheets for detailed instructions on applying first and second coats.**

### Curing

ALWAYS fine mist spray all the treated area as soon as

initial set has taken place and for as long as is possible. In cold, humid or unventilated areas (e.g. cellars) it may be necessary to leave the application for a longer curing period or to introduce forced air movement. NEVER use dehumidifiers during curing periods.

**Subsequent Overcoating:** FEBTANK SUPER is suitable for overcoating once correctly and thoroughly cured.

**Gypsum Based Plaster:** A bonding coat of FEBOND SBR diluted 1:1 with water is applied to surface and allowed to tack up (not dry). Apply plaster and finish as normal.

**Cement Based Render:** Use a slurry bonding coat consisting of 2 parts sand, one part cement gauged to a brushable paste with neat FEBOND SBR. Apply render whilst bonding coat is still tacky.

**Final Decoration:** Allow 6 months minimum to elapse before final decorative finishes are applied.

### Coverage

A two-layer application requires approximately 3kg powder /m<sup>2</sup> depending on substrate.

### Storage

FEBTANK SUPER should be stored under cover, clear of the ground and stacked not more than 6 bags high. Protect the materials from all sources of moisture and frost.

### Shelf Life

6 months from date of manufacture.

### Performance Data

<b>Bulk density</b>	1.25g/cm <sup>3</sup>
<b>Wet mixed density</b>	2.06-2.07 g/cm <sup>3</sup>
<b>Pot life @ 20°C</b>	45 mins
<b>Compressive strength (N/mm<sup>2</sup>)</b>	55 (grey) 46 (white)
<b>Tensile strength (N/mm<sup>2</sup>)</b>	4.0 (grey) 4.5 (white)
<b>Flexural strength (N/mm<sup>2</sup>)</b>	9.0 (grey) 6.2 (white)
<b>Final Set @ 20°C</b>	Approx 6 hours