

PRODUCT DATA SHEET

Feb[®] Febtank Super Tanking Slurry

Waterproof Coating For Concrete And Masonry.

PRODUCT DESCRIPTION

Feb[®] Febtank Super Tanking Slurry, 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. Available in grey, may be covered with a decorative finish or left uncovered.

USES

Waterproofing of:

- Basements.
- Foundations.
- Tunnels.
- Floors and walls in shower and bathroom areas prior to the application of a decorative finish.
- Swimming Pools.

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / STANDARDS

BBA approved (Certificate no. 15/5197) and certified under BS EN 1504-3.

PRODUCT INFORMATION

Packaging	25 kg bag / 20 kg bucket.
Shelf Life	9 months from date of manufacture.
Storage Conditions	Feb [®] Febtank Super Tanking Slurry should be stored under cover and clear of the ground. For bags stack no more than 6 high. Protect the materials from all sources of moisture and frost. Store between +5 to +30 °C.
Appearance / Colour	Grey powder.
Density	Bulk - 1.25 g/cm ³ Wet mixed - 2.06 - 2.07 g/cm ³

APPLICATION INFORMATION

Consumption	3.5 kg/m ² for a two coat application (1 mm/coat). Increase to 7 kg/m ² for areas of excessive water pressure.
Pot Life	30 mins at +20 °C.
Final set time	+20 °C - Approx 6 hours.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

Always mix with clean fresh water.
Setting times/strengths are indicative and set may be accelerated at higher temperatures or retarded at lower temperatures.
Never exceed the quantity of water stated. This will dramatically reduce strength and may cause failure.
Always remove all previous coatings.
Always cure as directed and never use de-humidifiers.
Always ensure two coat application.
Do not use this product below +5 °C.
When used externally, do not apply when rain is imminent and protect from rain for at least 4 hours.
As the manufacturer cannot know all the uses its products may be put to, it is the users responsibility to determine suitability for use. If in doubt, contact our Technical Services Department.

ECOLOGY, HEALTH AND SAFETY

Please refer to the latest Safety Data Sheet.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

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 effect 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 Feb® Febtank Super Tanking Slurry.
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 (400-600 rpm). Gradually add powder to water whilst mixing at a rate of 25 kg powder to 4.5 – 4.7 L water (20 kg powder to 3.6 – 3.8 L water) to achieve a thick creamy lump free constancy. Leave to stand for 10 mins prior to applying. Remix and add a very small amount of water if required to restore original consistency. Never use more than 5.4 L (4.3 L for 20 kg) of total water. Mixed material must always be used within 30 minutes, or less under hot weather conditions.

APPLICATION

Note: Do not apply Feb® Febtank Super Tanking Slurry 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.

All work must be carried out in accordance with BS 8102.

Feb® Febtank Super Tanking Slurry 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 2.0 mm. Normal application rate is 3.5 kg/m² for an overall two coat application. Increase to 7 kg/m² for areas of excessive water pressure.

Applying the first coat: Brush or broom the mix firmly onto the pre-dampened, prepared surface. After completing 2 or 3 m² finish with the brush or broom in one direction for aesthetic purposes. Care must be taken not to spread the material too thinly. When the material begins to drag or “ball”, do not add more water, but dampen the surface again.

Applying the second coat: Allow at least overnight to cure before applying subsequent coats. Ensure first coat is firm to touch. Dampen the first coat and remove excess moisture. Apply the second coat at right angles to the first coat to ensure good covering.

NOTE: If Feb® Febtank Super Tanking Slurry is used in closed, poorly ventilated rooms, condensation may occur on the first coat. This condensation must be removed from the surface. Feb® Febtank Super Tanking Slurry can be spray applied but should always be brushed home to give a uniform surface.

CURING TREATMENT

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: Feb® Febtank Super Tanking Slurry is suitable for overcoating once correctly and thoroughly cured.

Plaster: If plaster is to be used it must be ensured that cement based “renovating plaster” is used. Gypsum plasters must not be used.

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

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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