

# PRODUCT DATA SHEET

## Feb<sup>®</sup> Febproof Plus

WATERPROOFER AND PLASTICISER FOR SCREEDS, MORTARS AND NON-STRUCTURAL CONCRETE RENDERING

### PRODUCT DESCRIPTION

Feb<sup>®</sup> Febproof Plus reduces water absorption and makes mortar or non-structural concrete less permeable. Due to its strong air-entraining plasticiser, the water-to-cement ratio is much lower for the same workability.

### USES

Feb<sup>®</sup> Febproof Plus is suitable for use in rendering finishes and pointing mortars. It is also used in reconstructed stone and non-structural concrete members.

- External rendering
- Special finishes
- Pebbledash
- Roughcast
- Stucco, etc
- Reconstructed stone

### CHARACTERISTICS / ADVANTAGES

- Improves weathering properties.
- Reduced suction aids pebble-dashing – larger areas covered easily.
- Improves water resistance.
- Reduces onset of efflorescence.
- Improved application properties.
- Supplements/replaces lime.
- Drying shrinkage, crazing and cracking reduced.
- Improved frost resistance.
- Contains a highly hydrophobic material which is dispersed throughout the mix and thus reduces moisture penetration.

Feb<sup>®</sup> Febproof Plus also entrains air and this reduces capillary and water channel development, thus ensuring greatly increased water tightness and resistance to frost. In addition, due to its plasticising action, reductions in water content of up to 20% are attained. Feb<sup>®</sup> Febproof Plus slightly retards the mix, e.g. a 3:1 sand/cement mix will be retarded by about up to an hour.

### APPROVALS / STANDARDS

Conforms to BSEN 934-3:2009.

### PRODUCT INFORMATION

<b>Packaging</b>	5ltr and 25ltr jerry
<b>Appearance / Colour</b>	Amber-coloured liquid
<b>Shelf Life</b>	2 years if stored in accordance with manufacturer's instructions in un-opened containers.
<b>Storage Conditions</b>	Protect from frost. Store under well ventilated conditions between 5°C and 25°C. Stir before use.
<b>Density</b>	1.01 - 1.05 g/cm <sup>3</sup>
<b>pH-Value</b>	11.7 ±1
<b>Total Chloride Ion Content</b>	<0.1% (w/w) of admixture

## APPLICATION INFORMATION

### Recommended Dosage

750ml per 100kg cement.  
One part Feb® Febproof Plus to 40-80 parts gauging water.

## APPLICATION INSTRUCTIONS

Feb® Febproof Plus is ready for use and should be added to the mixing water at the selected dosage rate.

## LIMITATIONS

- Do not use in structural concrete.
- Not intended as a DPC replacement.
- Will not withstand permanent hydrostatic pressure.
- For tanking applications, use in conjunction with DPM. NOTE: final finish does not repel water. If a water-repellent finish is required, coat render/screed etc with FEBSILICON®.
- To avoid excessive air entrainment, do not overdose or over mix.
- Always premix this product with gauging water – never add direct to mix.
- Do not mix with other additives in same gauging water.
- Dispose of this product and packaging correctly.
- Do not allow to enter watercourse.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for further advice.

## 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.

## 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 the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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## 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.