

# PRODUCT DATA SHEET

## Feb<sup>®</sup> Rendamix

a water resisting, retarding and plasticising admixture.

### PRODUCT DESCRIPTION

Feb<sup>®</sup> Rendamix is a water resisting, retarding and plasticising admixture for use in sand: cement rendering mortars. The product also acts as an inhibitor for efflorescence.

### USES

As an admixture to exterior or above ground cementitious render finishes such as dashing, harling, rough cast and internally after installation of injection DPC's.

### CHARACTERISTICS / ADVANTAGES

- The utilisation of Feb<sup>®</sup> Rendamix air entraining and retarding properties allows larger working areas to be covered in a single application process.
- Significant improvement in resistance to water penetration.
- Significant reduction in water demand of a given mix, resulting in reduction in water bleed both on the 'spot board' and in situ.
- Improved durability.
- Inhibits transmission of hygroscopic salts.
- Enhances insulation properties.

<b>Freezing Point (°C)</b>	-3
<b>Water Absorption (dosage 750ml/50kg cem)</b>	5% compared to 15% for a standard 4:1 sand/cement mix
<b>Set time</b>	100% longer than control.

### APPROVALS / STANDARDS

Conforms to BS EN 934-3:2009 for air entraining properties.

### PRODUCT INFORMATION

<b>Packaging</b>	5ltr jerry
<b>Appearance / Colour</b>	Yellow viscous liquid / gel
<b>Shelf Life</b>	2 years from date of manufacture.
<b>Storage Conditions</b>	Store between 5 and 25 °C and protect from frost. Stir before use.
<b>Density</b>	1.01 - 1.05 g/cm <sup>3</sup>
<b>pH-Value</b>	10.7 - 12.7
<b>Conventional Dry Material Content</b>	9 - 11%
<b>Total Chloride Ion Content</b>	< 0.1% (w/w)

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

The substrate to which the render is to be applied should be thoroughly sound and uncontaminated. Any existing coatings must be removed prior to the commencement of rendering. When the substrate is found to be highly porous, long term bond and durability can be improved by the use of a bonding slurry consisting of cement and FEBOND SBR mixed at 1-2:1. This should be applied to the prepared substrate immediately prior to application of the render, which should be applied 'wet on wet'.

### MIXING

Selection of materials and correct mix designs relative to substrate and exposure levels are of paramount importance. Selection of materials and application of the external render systems should be in line with BS 5262 1991, Code of Practice for External Render and BS8000 Part 10:1995 Code of Practice for Plastering and Rendering.

NB: Types of finish requiring strong mix designs should not be considered for weak backgrounds.

In seaside or marine environments where soluble salts in the background may be present sulphate resisting cement should be used as an alternative to OPC.

#### Addition

Feb® Rendamix is supplied ready to use and should be added to the mixing water at a rate of one part Feb® Rendamix to 20/40 parts water. This corresponds to a dosage rate of 500 ml to 1000 ml per 50 kg of cement. The plasticising action of Feb® Rendamix should be used to full effect by reducing the water/cement ratio; a reduction in water content up to approximately 20% is achievable compared to an unplasticised mix. Care should be taken not to overmix.

#### Dosage

500 ml to 1000 ml per 50 kg kilos of cement.

## 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 exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

For full list of hazards consult MSDS.

## 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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#### Product Data Sheet

Feb® Rendamix  
April 2018, Version  
01.01  
020301010010000207