

# PRODUCT DATA SHEET

## Feb<sup>®</sup> Febmix<sup>®</sup> DH

### POWDER MORTAR PLASTICISER IN A HANDY SACHET PACK FORM

#### PRODUCT DESCRIPTION

Feb<sup>®</sup> Febmix<sup>®</sup> DH is a mortar plasticiser in powder form for use as an alternative to lime or as a supplement to lime to aid mortar durability. Feb<sup>®</sup> Febmix<sup>®</sup> DH will entrain microscopic air bubbles into cement mortars in a controlled manner as specified in EN934. Air entrained mixes produce greatly enhanced working properties with a reduced demand for mixing water. Feb<sup>®</sup> Febmix<sup>®</sup> DH also improves frost resistance in both freshly laid and hardened mortars, as the microscopic air bubbles entrained provide space for expansion of water due to freezing.

#### USES

For use as an admixture for mortars to improve workability, in both bricklaying and rendering applications.

#### CHARACTERISTICS / ADVANTAGES

- Economical: - reduced labour costs - reduced wastage - increased spread rates.
- Helps reduce efflorescence.
- Reduces bleed and segregation in the mix.
- Improved bond.
- Improves frost resistance.
- Reduces shrinkage.
- 1 sachet per 25kg bag of cement.

#### APPROVALS / STANDARDS

Conforms to EN934-3.

#### PRODUCT INFORMATION

Packaging	250 Sachets in a tub.
Appearance / Colour	Brown Powder
Shelf Life	Two years when stored in accordance with the manufacturer's instructions.
Storage Conditions	Store in cool (5 - 25°C), dry conditions.
Total Chloride Ion Content	<0.1% (w/w)

#### APPLICATION INFORMATION

Recommended Dosage	Feb <sup>®</sup> Febmix <sup>®</sup> DH is added at the rate of 1 sachet per 25Kg bag of cement. Always use the type of sand recommended for a particular application. Test mixes should be carried out to determine optimum dosage.
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#### APPLICATION INSTRUCTIONS

Feb<sup>®</sup> Febmix<sup>®</sup> DH may be added directly into the mixing drum after the addition of sand or pre-mixed with

the gauging water. The use of Feb<sup>®</sup> Febmix<sup>®</sup> DH pre-weighed sachets introduced directly to the mix optimises control of dosage and minimises wastage.

## MIXING

The action of Feb® Febmix® DH is entirely physical and therefore requires an efficient mixing action. If mixing is to take place by hand the mix must be well “turned over” to achieve the maximum plasticising effect. Mortar selection should be made in line with the relevant National Standards and Codes of Practice.

<b>Cement:Sand + Feb® Febmix® DH</b>	<b>Cement:Lime Sand</b>	<b>Typical Uses</b>
1 : 3	1:1/4:3	Laying load-bearing brick work.
1:4	1:0:5:4.5	External rendering (exposed positions). Backing & bedding coats (rough cast).
1:6	1:1:6	Internal plaster Floating coats. External rendering.
1:3 to 1:6	Varies	Brickwork, pointing or re-pointing.
1:8	1:2:9	Laying blocks & concrete or sand-line bricks.

The table above gives indicative mix designs relative to uses with and without Feb® Febmix® DH. Portland Cement: Lime, sand mixes which also include an air entraining plasticiser have been shown to be particularly durable in accelerated testing.

## 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.

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## 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.

## 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.