

PRODUCT DATA SHEET

Feb[®] Febmix Admix[®] - The Original

AIR ENTRAINING MORTAR PLASTICISER

PRODUCT DESCRIPTION

Feb[®] Febmix Admix[®] - The Original is an air entraining plasticiser that replaces lime in the mix to provide an easy to work “butter like” consistency to the mortar and to minimise shrinkage, cracking and crazing during the setting process. For use in brick laying and plastering mortars. Provides a degree of frost resistance and long term resistance to freeze-thaw cycles when set through the creation of stable micro air bubbles in the mortar.

USES

Feb[®] Febmix Admix[®] - The Original is an admixture for mortars that improves the workability of bricklaying and plastering mortars and significantly increases their resistance to freeze/thaw cycles.

CHARACTERISTICS / ADVANTAGES

- Mix remains plastic for longer.
- Reduces bleed and segregation of mortar.
- Helps to reduce efflorescence.
- Easier and faster to spread mortar.
- Economical: cuts labour costs; less material used; less waste; cleaner and safer than lime.
- Improved frost resistance.
- Reduces shrinkage: cracking and crazing minimised.
- Improved weather resistance and durability.

Freezing point -2°C

APPROVALS / STANDARDS

Conforms to the requirements of EN934-3 (2009) +A1 (2012)

PRODUCT INFORMATION

Packaging	5ltr and 25ltr jerry
Appearance / Colour	Dark brown
Shelf Life	2 years when stored in accordance with the manufacturer’s instructions.
Storage Conditions	Store at 5 - 25 °C. Will freeze, but can be reconstituted by stirring after thawing. Stir well before use.
Density	ca. 1.0 g/cm ³
pH-Value	7.4 - 9.4
Total Chloride Ion Content	< 0.1% (w/w) of admixture (nil)

APPLICATION INSTRUCTIONS

Application

Feb[®] Febmix Admix[®] - The Original may either be pre-mixed with gauging water in a storage tank or introduced into the mixing drum at the same time as the water. When mortar is mixed by hand it should be well turned over to achieve maximum plasticity.

Dosage

Feb[®] Febmix Admix[®] - The Original is added at the rate of approx 125-250 ml per 50 kg of cement. Always use the type of sand recommended for a particular application. Test mixes should be carried out to determine optimum dosage.

Compatibility

Feb[®] Febmix Admix[®] - The Original can be used with other admixtures provided these are added separately to the mix. It can be used for all types of Portland cement, including Sulphate Resisting. It can also be used in lime/sand mortars as a further precaution against frost.

MIXING

Comparative mix designs with and without Feb[®] Febmix Admix[®] - The Original as shown below:

Cement: Sand + Feb [®] Febmix Ad- mix [®] - The Original	Cement: Lime: Sand	Masonry: Cement: Sand	Typical Uses
1:3	1: ¼: 3	-	Laying load bearing brickwork
1:4:5	1: ¼: 4¼	-	External rendering (exposed positions) Backing and bedding coats (rough cast)
1:6	1: 1: 6	1: 4: 5	Internal plaster, floating coats, rendering
1:3 to 1:6	Varies	-	Brickwork pointing or re-pointing
1:8	1: 2: 9	1: 6	Laying blocks or concrete or sand/lime bricks

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.

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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