

PRODUCT DATA SHEET

Feb[®] Febmix[®] Plus

Mortar plasticiser

PRODUCT DESCRIPTION

Feb[®] Febmix[®] Plus is a liquid ultra stable 'micro' air entraining mortar plasticiser designed to enhance the workability and freeze thaw resistance of brick and block laying mortars. Feb[®] Febmix[®] Plus may be used to replace the use of lime, and is designed to maintain efficiency with variations in cement and aggregate sources.

USES

- Designed to be used as a mortar plasticising admixture in brick and block laying mortars
- 'Micro' air entraining properties reduce water demand and greatly reduce the likelihood of cracking and crazing.
- Provides enhanced resistance to frost attack in both wet and hardened mortar state.

PRODUCT INFORMATION

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| Packaging | 5 L and 25 L |
| Shelf Life | Two years when stored in accordance with the manufacturer's instructions |
| Storage Conditions | Store at moderate (5 - 25 °C) temperatures. Will freeze, but can be reconstituted by stirring after thawing. Stir before use. |
| Appearance / Colour | Dark Brown |
| Density | 0.98 - 1.02 g/cm ³ |
| Conventional Dry Material Content | 1.43 - 1.75 % |
| pH-Value | 7.4 - 9.4 |
| Total Chloride Ion Content | < 0.1 % (w/w) |
| Consumption | 125 to 250 ml per 50 kg cement |
| Substrate Temperature | Freezing point -2 °C |

CHARACTERISTICS / ADVANTAGES

- Ultra stable bubble structure.
- Uniform air entrainment structure.
- Works with most types of Portland Cement and difficult sands.
- Increased resistance to damage by freeze/thaw.
- Reduced segregation and bleed.
- Non corrosive to embedded metals.
- Increased working time.
- Easier and faster mortar spread.
- Can be used with P.F.A. containing mortars.

APPROVALS / STANDARDS

Feb[®] Febmix[®] Plus conforms to EN 934 Part 3 specification for air entraining (plasticising) mortar admixtures.

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

- Do not use in structural concrete.
- Do not overdose.
- Do not mix with other additives in same gauging water.
- Do not use in lime based mixes.
- Dispose of this product and packaging correctly.
- Do not allow to enter watercourses.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for further advice.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

In all cases, add to mix or to gauging water at an addition rate of 125 ml to 250 ml per 50 kg cement, depending on the degree of plasticizing/entrainment required. Note: remember to reduce required quantity of water accordingly. One litre of Feb® Febmix® Plus added to a 200 L drum of gauging water will be sufficient for gauging approx. 4 x 50 kg cement for mortar or render mixes.

APPLICATION METHOD / TOOLS

Feb® Febmix® Plus may be either pre-mixed with the water or added directly into the mix at the same time as the water. Note the superior plasticising qualities of Feb® Febmix® Plus will result in a significant reduction in water demand of any given mix.

Feb® Febmix® Plus 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 sand mortars as a further precaution against frost.

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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2 / 2



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