

Febmix Plus

Mortar Plasticiser

For Brick and Block Laying. Conforms to BS4887.

- Improves workability
- Easier and faster mortar spread
- Improves resistance to frost

Colour	Product Code	Pack Size	Box Qty
Red	FBMIXPLUS5	5L	4
	FBMIXPLUS25	25L	1
	FBMIXPLUS205	205L	1



Admixtures & Building Chemicals

Product Description

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. FEBMIX PLUS may be used to replace or supplement the use of lime, and is designed to maintain efficiency with variations in cement and aggregate sources. FEBMIX PLUS complies fully to the requirements of EN934/3 Part 1/EN 934 Part 3 specification for air entraining (plasticising) mortar admixtures.

Typical Uses

- FEBMIX PLUS is designed to be used as a mortar plasticising admixture in brick and block laying mortars.

The 'micro' air entraining properties of FEBMIX PLUS greatly improves the workability of the mortar whilst reducing water demand, thus greatly reducing the likelihood of cracking and crazing. FEBMIX PLUS will also provide enhanced resistance to frost attack in both wet and hardened mortar state.

Features & Benefits

- 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 to replace lime.
- Can be used with P.F.A. containing mortars.

Instructions for Use

Application

FEBMIX PLUS may be either pre-mixed with the water or added directly into the mix at the same time as the water. NB: The superior plasticising qualities of FEBMIX PLUS will result in a significant reduction in water demands of any given mix.

Dosage

FEBMIX PLUS 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

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 lime/sand mortars as a further precaution against frost.

Storage

Store at moderate temperatures. Will freeze, but can be reconstituted by stirring after thawing. Stir before use.

Shelf Life

Minimum two years when stored in accordance with the manufacturer's instructions.

Performance Data

Specific gravity @ 20°C	1.004
pH	11.0
Chloride Ion Content	< 0.1% (w/w) of admixture (nil)
Freezing Point	-2°C

Comparative mix designs with and without FEBMIX PLUS as shown below:

Cement: Sand + FEBMIX PLUS	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	1:4¼	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.

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