# Febmix DH

## Powder Mortar Plasticiser

Convenient Sachet Packs For Brick and Block Laying. Conforms to BS4887.

- Improved workability
- Prevents cracking, shrinking and crazing
- Reduces efflorescence
- Easy to dose, one sachet per bag of cement

| Colour | Product Code | Pack Size | Box Qty |
|---|---|---|---|
| Brown Powder | **FBMIXDH** | 250 sachets | 1 |






### Product Description

FEBMIX 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. Complies with EN934/3. FEBMIX 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. FEBMIX 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.

### Typical Uses

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

### Features & Benefits

- 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.

### Instructions for Use

FEBMIX DH may be added directly into the mixing drum after the addition of sand or pre-mixed with the gauging water. The use of FEBMIX DH pre-weighed sachets introduced directly to the mix optimises control of dosage and minimises wastage.

**Mixing**

The action of 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.

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

**Dosage**

FEBMIX 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.

**Storage**

Store in cool, dry conditions.

**Shelf Life**

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

### Performance Data

| | |
|---|---|
| **Chloride Ion Content** | < 0.1% (w/w) of admixture (nil) |

**Following table shows relative mix designs, with and without FEBMIX DH:**

| Cement: Sand + FEBMIX DH | Cement:Lime Sand | Typical Uses |
|---|---|---|
| 1:3 | 1:¼:3 | Laying load-bearing brick work. |
| 1:4 | 1:0.5:4.5 | External Rendering (exposed positions). Backing and 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 and concrete or sand-lime bricks. |