

FEBMIX PLUS

MORTAR PLASTICISER "NEW FORMULAE" – 6/93

Description:

FEBMIX PLUS is a liquid, air entraining mortar plasticiser that replaces lime in the mix and reduces the amount of water required to achieve the desired workability.

FEBMIX PLUS is recommended in all mortars – whenever a more plastic and easily manageable mortar is required.

FEBMIX PLUS complies with AS1478.

Primary Use:

FEBMIX PLUS is an admixture for mortars that improves the workability of bricklaying and plastering mortars and increases their resistance to freeze/thaw cycles.

FEBMIX PLUS is particularly valuable in cold weather, for damp or exposed work, or when restricted site or safety conditions do not permit storage of lime.

Advantages:

- Remains plastic for longer.
- Does not bleed or segregate
- Helps to eliminate efflorescence.
- Easier and faster to spread. Goes Further.
- Economical:
 - Cuts labour cost
 - Less material used
 - Less waste
 - Cleaner and safer than lime.
- Better Bond
- Permits work to continue at temperatures below freezing point down to -2°C.
- Improved frost resistance.
- Reduces shrinkage, cracking and crazing minimised.
- Improved weather resistance and durability.
- Can be used with white or light coloured concretes with no discolouration.

Action:

FEBMIX PLUS replaces lime in the mix and reduces the amount of water required to achieve the required workability, thus reducing the possibility of drying shrinkage, which can result in cracking and crazing.

Minute bubbles of air entrained in the hardened mortar provide space for the expansion of water when freezing occurs without disturbance to the body of the mortar.

Composition:

FEBMIX PLUS is a light blue aqueous solution.

Properties:

Typical properties of FEBMIX PLUS are as follows:

PH value at time of manufactured	9.0	+/-	1.0
Relative density @ 23°C	1.01	+/-	0.02
Non-volatile (solids) content, WW	6.5	+/-	1.0%

Directions for Use:

Mixing instructions:

FEBMIX PLUS 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.

Mix Proportion:

Comparative mixes, with and without FEBMIX PLUS are shown below:

Cement: Sand & FEBMIX PLUS	Cement: Lime: Sand:	Masonry: Cement: Sand:	Typical Uses
1:3	1:1/4:4 1/2	-	Laying load-bearing brickwork
1:4 1/2	1:1/2: 4 1/2	-	External rendering (exposed positions) Backing and bedding coats (rough cast)
1:6	1:1:6	1:4 1/2	Internal plaster Floating coats External rendering
1:3 to 1:6	Varies	-	Brickwork, pointing or re-pointing
1:8	1:2:9	1:6	Laying blocks and concrete or sand-lime bricks

The action of FEBMIX PLUS is entirely physical. Used in accordance with instructions, it does not significantly affect the setting time or other properties of the mortar.

Watch Points:

FEBMIX PLUS provides protection from frost down to -2°C in the wet mortar. Therefore, FEBMIX PLUS should not be used at temperatures below -2°C or if the temperature is expected to drop below -2°C within 24 hours. Normal winter working precautions must be taken.

Dosage Rate:

FEBMIX PLUS is added at the rate of 100-125mL per 50kg of cement.

Always use the type of sand recommended for a particular application. Test mixes should be carried out to determine optimum dosage.

As a guide 1 litre is sufficient for 10 bags of cement.

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.

Packaging:

FEBMIX PLUS is supplied in 1, 5, 20, and 200 litre containers.

Storage:

Store in sealed containers

AGITATE WELL BEFORE USE