

MIXPLUS

Liquid mortar plasticizer/admixture for
cementitious mortars / renders

TECHNICAL DATA SHEET

Characteristics

- Eliminates the need for lime
- Improves moisture retention
- Does not bleed or segregate
- Increase bond strength
- Reduces shrinkage cracks and crazing
- Improves weather resistance
- Enables harsh sands
- Eliminates efflorescence
- Improves workability

Introduction

MIXPLUS is a liquid, air entraining mortar plasticizer which imparts greater workability and cohesion. Whilst increasing durability when set. Mixplus readily with water in any proportions. It is based on the neutralized salt of vinsol resin and is free from calcium chloride and similar salts. Mixplus will reduce thermal movement and drying shrinkage in the cured mortar. Mixplus replaces lime in mortar mixes and reduces the amount of water required for workability. This result in reduced drying shrinkage and less cracking.

Appropriation

- Since improves workability and trowelling properties of sand and cement mortar mixes during application and frost resistance for wide range of works like
- Rendering, precast repair works, Brick laying,
- Pointing works, etc.

Product Management

Dosage rates:

Laboratory trials followed by site trials should always be conducted to determine the optimum dosage rates for Mixplus. The following dosage rates are based on previously completed projects. They are given as guide for initial trials only. Add Mixplus @ 300 to 600 cc / 100kg of cement. Always use the type of sand recommended for particular application. Test mixes should be carried out to determine optimum dosage. Due to the plasticizing action of Mixplus, significant reductions in water demand will be achieved, correct addition of water accordingly

Mixing:

Mixplus should be directly added to sand/ cement/ water mix or maybe pre-mixed with the gauged water. Mechanical mixing should be employed where possible although thorough manual mixing may be acceptable for small batches if carried out vigourously.

Effects of over dosage:

Mixplus plaster admixture will safeguard against over dosage by limiting the amount of air capable of being entrained. It is important to ascertain the reasons for the over dosage to avoid repetition.



Packing & Storage

Mixplus is available in 20 litres and 200 litres drums. For site installations, deliveries will be made in bulk to site storage tanks. Mixplus should be stored in cool, shaded warehouses. Shelf life is 12 months

Health & Safety

Mixplus contains no hazardous substances. However, it should not be allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles whilst handling. When in contact with the skin and eyes wash thoroughly and immediately with warm water. If swallowed seek medical attention. For more details, please refer to the MSDS released on each PyChem product.



Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand on- application. The data sheet of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessments and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity and porosity of substrate may impinge on value.



Mix proportions:

Comparative mixes with & without Mixplus

| Typical Uses | Cement/lime/ sand | Cement/Mixplus/ Sand |
|--------------------------|----------------------|-------------------------|
| Load bearing brickwork | 1:0:5:3 | 1:3 |
| External Rendering | 1:0:5:3 | 1:3 |
| Bedding coats | 1:0:5:3 | 1:3 |
| Internal plastering | 1:0:5:3 | 1:3 |
| Pointing | 1:0:5:3 | 1:3 |
| Laying blocks/ bricks | 1:0:5:3 | 1:3 |





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Technical Data and Properties

| | |
|--------------------------|--------------------------------------|
| Standard conforms | BS 4887 |
| Appearance | Dark brown liquid |
| Specific gravity | 1.20 at 25°C |
| Air entertainment | 1- 2% according to dosage rates used |
| Chloride content | Nil |
| Freezing point | 0 °C |
| Flash point | None |
| Dry Film Nature | Tough |



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