

## PRODUCT DATA SHEET

## SikaMix PMP

Pre-measured air entraining powdered admixture

## PRODUCT DESCRIPTION

SikaMix Powdered Mortar Plasticiser is a mortar plasticiser in powder form for use as an alternative to lime or as a supplement to lime to aid mortar durability. SikaMix Powdered Mortar Plasticiser will entrain microscopic air bubbles into cement mortars, enhancing the working properties reducing the demand for mixing water.

SikaMix Powdered Mortar Plasticiser 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.

## USES

- To improve workability in bricklaying, pointing bricks and rendering mortars.
- Can be used in cement, sand and cement, lime, and sand mortars.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| Packaging                  | 250 sachets in a plastic tub  |
| Appearance / Colour        | Straw/Yellow powder   |
| Shelf Life                 | 24 months from date of manufacture if stored according to manufacturer's instructions.          |
| Storage Conditions         | Store in a cool (+5 °C to +25 °C), dry and well ventilated area. Keep container tightly closed. |
| Total Chloride Ion Content | <0.1 % (w/w)  |

## CHARACTERISTICS / ADVANTAGES

- Helps reduce efflorescence.
- Reduces bleed and segregation in the mix.
- Improves frost resistance.
- Can be used down to -2 °C.
- Ready to use sachets.

## APPROVALS / STANDARDS

Complies with BS EN934-3:2009+A1:2012

| Mixing Ratio  | Cement:Sand + Sika-Mix PMP | Cement:Lime Sand | Typical Uses  |
|---|----------------------------|------------------|---|
|   | 1 : 3                      | 1 : ¼ : 3        | Laying load bearing brick work.   |
|   | 1 : 4                      | 1 : ½ : 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 repointing.  |
|   | 1 : 8                      | 1 : 2 : 9        | Laying blocks and concrete or sand-lime bricks.                                 |
| <b>Recommended Dosage</b>   |                            |                  |   |
| SikaMix PMP is added at the rate of 1 sachet per 25 kg bag of cement. Always use the type of sand recommended for a particular application. Test mixes should be carried out to determine optimum dosage. |                            |                  |   |

## 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.

## 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

### APPLICATION METHOD / TOOLS

- SikaMix Powdered Mortar Plasticiser (PMP) may be added directly into the mixing drum after the addition of sand or pre-mixed with the gauging water.
- Ensure efficient mixing. 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 mix ratios in the table above gives indicative mix designs relative to uses with and without SikaMix PMP.

## 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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