

# PRODUCT DATA SHEET

## Sika® Mix+

### MORTAR PLASTICIZING ADMIXTURE



#### DESCRIPTION

Sika® Mix+ is a ready to use plasticizing liquid admixture for mortars and plaster. Reduces drastically lime consumption, increases workability and improves the quality of mortars, renders and plasters. The product is CE marked as mortar admixture for masonry.

#### USES

- For production of high quality mortars and plasters with increased workability and strengths

#### CHARACTERISTICS / ADVANTAGES

- Ready to use
- Improves hydration process and produces high quality plaster for brickworks, masonry and coatings
- Increases frost resistance
- Reduces cracking and “butterfly” effect
- Improved adhesion
- Very economical
- Increases workability and offers greater consistency and plasticity
- Improved setting time
- Very easy to use
- Does not contain chloride or any other corrosion substances

#### APPROVALS / CERTIFICATES

Air entraining / plasticizing admixture (Table 2) according to EN 934.03:2009+A1:2012, Declaration of Performance 53023840, and provided with the CE-mark.

#### PRODUCT INFORMATION

<b>Chemical base</b>	Aqueous solution of surfactants
<b>Packaging</b>	IBC, 220 kg drums 1, 5 and 20 kg plastic containers Bulk supply on demand
<b>Appearance / Colour</b>	Liquid, brown
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	Store properly in undamaged, unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.
<b>Density</b>	~ 1.02 kg/l (at +20°C)
<b>pH-Value</b>	8.0 – 11.0 (at +20°C)
<b>Total Chloride Ion Content</b>	Free (EN 934.01)

## TECHNICAL INFORMATION

### Specific Advice

Clean and roughen the concrete surface. In case of stone substrate, remove all friable particles. The substrate should be saturated with water, but without any standing water on the surface.

### Concrete Mix Design

#### **Rendering mortar**

Add Sika® Mix+ (and Sika® Latex Max) into clean water and then add the mix to the sand / cement mix.

The following mix design is usually followed: cement: sand ratio ~ 1:3, ~3kg of lime, 100 gr of Sika® Mix+, maximum 5 kg of Sika® Latex Max and the required amount of water.

#### **Masonry mortar**

Add Sika® Mix+ (and Sika® Latex Max) into clean water and then add the mix to the sand / cement mix.

The following mix design is usually followed: cement: sand ratio ~ 1:3, ~3kg of lime, 150 gr of Sika® Mix+, 2-4 kg of Sika® Latex Max and the required amount of water.

## APPLICATION INFORMATION

### Recommended Dosage

**Rendering mortar:** 0.1 – 0.2% b.w. of cement (50-100 gr / 50 kg cement)  
**Masonry mortar:** 0.3% b.w. of cement (150 gr / 50 kg cement)

### Restrictions

- Sika® Mix+ prolongs setting time, produces plastic soft plaster and improves flowability of the mixture. Consequently, Sika® Mix+ reduces the danger of setting and blocking into the piping of shotcrete machines for plasters and enables increase in dosage of Sika® Latex Max.
- Sika® Latex Max attributes to the plaster excellent properties, regarding adhesion, strengths, impermeability, reduced cost for mortar production and reduced rebound during application. Sika® Mix+ enables addition of up to 5 kg Sika® Latex Max / 50 kg of cement, thus creating an extremely qualitative, waterproof and economically efficient mixture. For more information please refer to the Product Data Sheet of Sika® Latex Max.
- Prior to all applications, suitability tests must be performed, since production of the best mixture depends on various parameters, such as sand quality, temperature, humidity, e.t.c.

## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## 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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