

# PRODUCT DATA SHEET

## SikaCem<sup>®</sup> ExtraBond-100

### ADMIXTURE FOR MORTAR IMPROVEMENT

#### DESCRIPTION

SikaCem<sup>®</sup> ExtraBond-100 is a concentrated milky liquid with texture admixture for cement mortars, plasters, repair and waterproof mortars or floor screeds.

#### USES

Is used in concrete and mortar mixes for:

- Bonding slurry coats for renders and screeds
- Waterproof rendering and coatings with increased adhesion and reduced cracking
- High-strength floor screeds/overlays with reduced surface dusting and higher water and wear resistance
- Patch repair and re-profiling mortars
- Pointing mortars for masonry joints

#### CHARACTERISTICS / ADVANTAGES

- Provides excellent workability and very good adhesion
- Increases flexibility
- Decreases permeability and cracking risk
- Improves durability against abrasion
- Increases frost and chemical resistance
- Easy dosage and application
- Compatible with other Sika products

#### PRODUCT INFORMATION

<b>Chemical base</b>	Improved styrene resins
<b>Packaging</b>	1 kg and 5 kg pails
<b>Appearance / Colour</b>	Liquid, white
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	Store properly in undamaged and unopened, original sealed packaging, in dry conditions and protect from direct sunlight and frost.
<b>Density</b>	~ 1.0 kg/l (at +20°C)
<b>pH-Value</b>	~ 9.5 (at +20°C)

## TECHNICAL INFORMATION

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### Mortar Mix Design

#### Slurry

Dry ingredients:

- 1 part per volume cement
- 1 part per volume sand

Dilution of SikaCem® ExtraBond-100 with water:

- 1:1 up to 1:2 per volume SikaCem® ExtraBond-100

#### Watertight mortars

Dry ingredients:

- 1 part per volume cement
- 3 parts per volume sand

Dilution of SikaCem® ExtraBond-100 with water:

- 1:2 up to 1:3 by volume SikaCem® ExtraBond-100

#### General application mortars

Dry ingredients:

- 1 part per volume cement
- 3 parts per volume sand

Dilution of SikaCem® ExtraBond-100 with water:

- 1:3 up to 1:5 by volume SikaCem® ExtraBond-100

#### Renderings

Dry ingredients:

- 1 part per volume cement
- 1 part per volume sand

Dilution of SikaCem® ExtraBond-100 with water:

- 1:3 up to 1:4 per volume SikaCem® ExtraBond-100
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## APPLICATION INFORMATION

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### Recommended Dosage

In all cases (see Mortar Mix Design), mix the dry ingredients together and then add the dilution of SikaCem® ExtraBond-100 with water in the required quantity, until a homogeneous mix with the demanded workability is produced.

### Consumption

In general, 5-10% by weight of cement depending on the application.

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## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

**Step 1:** Add the product to the mixing water at the specified dilution rate per application type.

**Step 2:** Mix the dry ingredients together, add the dilution in the required quantity while mixing for at least 90 seconds, until a homogeneous mix with the demanded workability is produced.

### LIMITATIONS

- Pretests are recommended before concreting on site, especially when using a new mix-design, since production of the best mixture depends on various parameters, such as sand quality, temperature, humidity, e.t.c.
- It is not recommended to use SikaCem® ExtraBond-100 dilution to increase the adhesion, without adding the recommended ratio of cement: sand.
- SikaCem® ExtraBond-100 should not be added to the dry mix of cement and aggregates.
- The exact mixing time depends on the mixing device and mixing intensity.
- The pre-mentioned mixing ratios are indicative. SikaCem® ExtraBond-100 consumption may vary depending on the application.

- The standard rules of good concreting practice, concerning production and placing, are to be followed.
- Fresh concrete must be cured properly and applied as early as possible. Protect it during curing from frost and premature drying.
- Clean all tools and application equipment with water immediately after use.

### 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. 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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SikaCemExtraBond-100\_en\_GR\_(01-2017)\_1\_1.pdf

Product Data Sheet  
SikaCem® ExtraBond-100  
January 2017, Version 01.01  
020301010010000244