

# PRODUCT DATA SHEET

## Ecocrete

A STYRENE BUTADIENE COPOLYMER ADMIXTURE FOR IMPROVED PERFORMANCE OF CEMENT BASED MORTARS, RENDERS AND GROUTS.

### DESCRIPTION

Ecocrete is a multipurpose Styrene Butadiene admixture designed for use with mortars, renders, and tile grouts.

Ecocrete improves adhesion, adds strength, and reduces porosity of mortars, renders, and tile grouts. Ecocrete reduces shrinking and cracking and is suitable for use internally and externally.

### USES

#### Ecocrete

Is suitable for tiler mortar beds/screeds, renders and grouts.

Is a suitable admixture for Brick layer mortar.

Is a suitable admixture for point of stone and brickwork.

Is a suitable admixture for use in slurry bond coats.

### CHARACTERISTICS / ADVANTAGES

- Versatile admixture
- Reduces porosity
- Improves adhesion
- Improves compressive strength
- Suitable for internal and external use
- Extended open time and workability
- Reduces shrinking and cracking
- Low VOC

### PRODUCT INFORMATION

<b>Composition</b>	Styrene Butadiene Admixture
<b>Packaging</b>	5 & 20 Litre Pails
<b>Appearance / Colour</b>	White milky liquid
<b>Shelf life</b>	12 Months from date of manufacture.
<b>Storage conditions</b>	Store in dry conditions out of direct sunlight.

## APPLICATION INFORMATION

### Recommended Dosage

#### SLURRY BOND COATS

<u>ECOCRETE</u>	<u>WATER</u>	<u>PORTLAND CEMENT</u>
1 Part	1 Part	2 Parts

Apply the mixed slurry bond coat, with trowel, brush, or broom to the substrate to a minimum depth of 2mm. While the slurry bond coat is still wet apply the mortar bed / screed. If slurry bond coat skins prior to placement, remove and replace.

#### CEMENT MORTAR BEDS, & RENDERS

<u>ECOCRETE</u>	<u>WATER</u>	<u>SAND / CEMENT RATIO</u>
1 Part	2 Parts	3:1 or 4:1

Bonded Mortar Bed : Apply the mixed cement mortar bed and compact well onto the wet slurry bond coat.

Unbonded Mortar Bed: Apply a double layer of polyethalene sheet to the substrate and tape joins as required. Unbonded mortar beds shall be a minimum on 40mm and reinforced with wire/mesh.

Mortar Beds / Screed must be applied in accordance with AS 3958.1

#### ADMIXTURE FOR TILE GROUTS

<u>ECOCRETE</u>	<u>WATER</u>
1 Part	1 part

Use in accordance to Problend grout tds.

**Ambient Air Temperature** +5°C Min / +35°C Max

**Substrate Temperature** +5°C Min / +35°C Max

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

- Substrates must be properly cured, structurally sound, free from loose or friable articles, clean, dry and free from contaminates such as dust, dirt, oil, grease, curing compounds, laitance or efflorescence.
- Dependant on the substrate condition and contamination to be removed from the surface, perform adequate preparation techniques, such as water blasting, scarification, or blast cleaning in order to remove all traces of any materials that could reduce the products adhesion to the substrate.
- For tiling wet areas, a suitable Sika approved waterproof membrane system should be used prior to tiling.

**CONCRETE FLOORS:** Allow 28 days for concrete to cure. Concrete shall be left with an open surface - steel trowel finishes are generally acceptable if they accept water. Wood Float and broom finishes are preferred where possible.

**CEMENT MORTAR BEDS / SCREEDS:** Mortar beds / screeds must be installed as per AS ISO 3858.1-2007. Mortar beds / screed must be a minimum 24 hour old at 23°C & 50% R.H.

**SHEETED / BOARD SUBSTRATES:** All boards / underlays must be fixed in accordance to manufacturers instructions and specifically designed for tiling.

### MIXING

Stir the admixture prior to use.

### CLEANING OF EQUIPMENT

Tools and equipment can be cleaned with water while mixed product remains wet.

## IMPORTANT CONSIDERATIONS

- Ecocrete is not suitable for use as a primer.
- Ecocrete is not suitable as a bonding agent over non-porous substrates including, steel trowel finish floors or dense, non porous concrete, metal, plastic, glass or other similar impervious substrate
- Do not apply onto permanently wet or damp substrates.
- Do not apply in temperatures below 5°C and above 35°C and under hot and windy conditions.
- Do not allow the product to freeze.

## 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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## 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 Material Safety Data Sheet 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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