

## PRODUCT DATA SHEET

# Sikagard®-5901 Eproseal

Waterproof cementitious coating for tanking, coating brickwork, blockwork and masonry, lining water storage tanks, and providing equivalent concrete cover.

### PRODUCT DESCRIPTION

Sikagard®-5901 Eproseal is a waterproof cementitious coating designed to be brush or spray applied onto masonry and concrete. The special formulation provides excellent adhesion to construction surfaces and is safe to apply on damp substrates. The product is also effective at providing equivalent concrete cover where required.

### USES

- Tanking of basements.
- Sealing of tanks and ducts.
- Coating brick, blockwork and masonry structures.
- Lining storage tanks for potable water.
- Providing equivalent concrete cover where necessary.

### CHARACTERISTICS / ADVANTAGES

- Easy to mix - just add water.
- Simple and straightforward to use.
- Doesn't require any specialist equipment to mix and apply.
- Can be applied to a wide variety of substrates.
- Suitable for dry and damp substrates.
- Effective at providing theoretical concrete cover (two coats at 3 kg/m<sup>2</sup> provides ~50mm of equivalent 'good quality concrete' cover).
- Non-hazardous.
- Grey in colour.
- Can be applied to large areas in a relatively short period of time.
- Long workable life to assist application.
- Overcoating achievable after only 24 hours.

### PRODUCT INFORMATION

<b>Chemical Base</b>	A blend of cements, quality graded aggregates and synergistic chemical modifiers
<b>Packaging</b>	25 kg bags
<b>Colour</b>	Grey
<b>Appearance / Colour</b>	Grey powder
<b>Shelf Life</b>	6 months
<b>Storage Conditions</b>	Store properly in dry conditions in undamaged and unopened original sealed packaging
<b>Mixing Ratio</b>	7.5 to 8.5 litres of water per 25 kg bag (30 to 34%)
<b>Consumption</b>	Coverage is dependant on the substrate surface to be coated. <b>Coarse surface</b> 2.5 to 3.0 kg/m <sup>2</sup> /coat ~8.3 to 10.0 m <sup>2</sup> per 25 kg unit

**Smooth surface**

2.0 to 2.5 kg/m<sup>2</sup>/coat  
 ~10.0 to 12.5 m<sup>2</sup> per 25 kg unit

<b>Yield</b>	~2 to 3 kg/m <sup>2</sup> /coat depending on substrate.
<b>Product Temperature</b>	+5°C minimum / +35°C maximum
<b>Ambient Air Temperature</b>	+5°C minimum / +35°C maximum
<b>Substrate Temperature</b>	+5°C minimum / +35°C maximum
<b>Initial set time</b>	~330 minutes at +20°C

**VALUE BASE**

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.

**ECOLOGY, HEALTH AND SAFETY****APPLICATION INSTRUCTIONS****SUBSTRATE QUALITY / PRE-TREATMENT**

All contact surfaces must be clean and sound. Remove all loose material, laitence, dust, oil, previous coatings, and anything that may impair adhesion. Tap off water pressure where necessary, and cut out a 20mm x 20mm fillet at the junction of the wall and the floor. Repair any existing cracks, fractures and voids as necessary. No priming is necessary. On dry surfaces, to assist the coating in fully wetting out the substrate, this background / substrate should be dampened to a matt damp condition.

**MIXING**

Sikagard®-5901 Eproseal is supplied in 25 kg bags. The water content to produce the coating is 7.5 to 8.5 litres per 25 kg of dry material / powder. Pour the required quantity of water into a suitable mixing vessel. Slowly add the powder to the water whilst continuously mixing. Mechanical mixing is recommended using a slow speed high torque drill with a Mortar Stirrer. Mixing should be continued for 3 minutes after all the powder has been added to the mixing water to obtain a 'creamy' consistency.

**APPLICATION**

Sikagard®-5901 Eproseal is applied in two coats, at right angles to each other. Brush or spray apply the first coat in a horizontal direction down to the fillet level (if applicable). After 24 hours seal the fillet with a suitable waterproof plugging mortar (if used as a tanking coating), leaving weep holes free.

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Apply a second coat in a vertical direction covering the fillet with the coating (in tanking applications). This ensures full coverage without weak areas. Remove weep hole taps and seal with a suitable plugging mortar.

**CURING TREATMENT**

In warm or windy conditions, mist spraying may be used to compensate for moisture loss, otherwise no other curing is necessary. In tanking applications, a through flow of air is required to prevent condensation.

**CLEANING OF TOOLS**

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be mechanically removed.

**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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