BUILDING TRUST

PRODUCT DATA SHEET

# Sikagard®-255 Protection

Two Component Crystalline Moisture Protection

## DESCRIPTION

Sikagard®-255 Protection is designed for surface protection, suitable for both interior and exterior use. It contains a unique acrylic polymer-modified silicate, which is the first substance to react with the cement in the concrete or mortar surface. This reaction creates crystallization that integrates and forms a layer binding the coating film to the substrate. This layer overcomes the common problem of traditional paints peeling under moisture and prevents efflorescence from appearing on the surface.

## USES

Suitable for various substrate such as concrete, mortar, brick and etc., It can be used in the area with moisture content.

- For interior and exterior
- For conceal and cover hairline cracks
- For moisture block at bottom part of wall and structure to prevent peeling of paint
- For new surface and old surface

## FEATURES

- Easy to apply with low smell
- Good durability and weather resistance
- Good adhesion on various substrate
- Flexible and no cracking
- Do not peel or flake

## PRODUCT INFORMATION

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| **Composition** | Acrylic polymer modified silicates |
| **Packaging** | 1 set, 22 kg pail containing Part A (18 kg) and Part B (4 kg) packed together in the same pail. |
| **Appearance and colour** | (Part A) grey powder and (Part B) White liquid |
| **Shelf life** | 12 months from date of production if stored in unopened, undamaged and original sealed packaging. |
| **Storage conditions** | Store in dry and cool conditions with no direct sunshine. |
| **Density** | ~ 1.3 - 1.5 kg / L |

## TECHNICAL INFORMATION

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| **Tensile adhesion strength** | ≥ 0.5 MPa (Bond to concrete at 28 days) |
| **Mixing ratio** | Part A : B = 4.5 : 1 part by weight. |
| **Consumption** | 3 - 4 kg/m² for 2 coat |
| **Layer thickness** | 2 - 3 mm at 2 coats |
| **Pot Life** | ~ 40 minutes (at 25°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.

## IMPORTANT CONSIDERATIONS

In cases where the structure or foundation is in contact with water or soil containing very high levels of chlorides or sulfates, the application of a suitable primer is required. (Please consult Sika Technical Service prior to application)

## 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.

### SUBSTRATE PREPARATION

The surface must be sound, sufficiently strong, clean, and free from oil, grease, or any other contaminants. Depending on the substrate material, mechanical cleaning is required. Grinding or chipping may be necessary on glossy or weak surfaces.

### APPLICATION

1. Damaged areas must be repaired before application (please contact Sika Technical Service for details of recommended repair products).
2. Dampen the surface before application, but do not allow running water during application.
3. Mix Sikagard®-255 Protection at a ratio of Part A : Part B = 4.5 : 1 by weight. Stir with a mechanical mixer (300–500 rpm) until homogeneous.
4. Apply the first coat of Sikagard®-255 Protection to the prepared surface by brush or trowel. Allow to dry for approximately 1–2 hours.
5. Apply the second coat of Sikagard®-255 Protection and allow to dry completely for at least 24 hours before overcoating, but not longer than 3 days.

### CLEANING OF EQUIPMENT

The working equipment and tools can be mechanically cleaned using brushes and water. Cleaning should be carried out immediately after completion of the work and within the pot life of the material to avoid sediment forming on the equipment and tools.

## 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.

## 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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