

# PRODUCT DATA SHEET

## Sikagard® XT

### ACRYLIC BASED ELASTOMERIC EXTERIOR WATERPROOF CUM DECORATIVE COATING

#### DESCRIPTION

Sikagard® XT is a one part, high quality elastomeric coating based on UV curing acrylic dispersion. It has excellent flexibility, breathing properties, water resistance, crack bridging properties, weathering durability, and excellent resistance to growth of microbial organisms.

#### USES

As a waterproof, weatherproof, protective and decorative coating for

- exterior masonry walls
- interior walls
- internal or external concrete
- cement mortar and sand rendered surfaces
- dry wall surfaces like gypsum, cement fibre boards, asbestos
- concrete or masonry surfaces exposed to saline environment

#### CHARACTERISTICS / ADVANTAGES

- Excellent waterproofing capability
- Elastomeric with excellent crack bridging ability
- Ready to use and does not require any dilution
- UV rays resistant
- Forms a tough film giving very good resistance against weathering and ageing
- Protects the building from corrosive atmosphere (highly resistant to chloride penetration)
- Suitable for saline environment due to anticarbonation properties
- Excellent resistance to microbial organisms like algae and fungi maintaining its aesthetic value
- Excellent dirt pickup resistance which provide long lasting bright colour retention
- Water vapour permeable.
- Very low VOC
- Non-toxic
- Non sag and evenly covering all surfaces
- Easy to clean
- Suitable for interior applications also

#### PRODUCT INFORMATION

<b>Chemical Base</b>	Acrylic co-polymer with special additives	
<b>Packaging</b>	White base	25 kg plastic bucket
	Dark base	25 kg plastic bucket
<b>Appearance / Colour</b>	Liquid Emulsion Available in white & dark bases	
<b>Shelf Life</b>	24 months from date of production	
<b>Storage Conditions</b>	Store in undamaged and unopened, original sealed packaging, in dry conditions and protected from direct sunlight. Protect from frost.	
<b>Density</b>	White base	~ 1.35 kg/L (at +27°C)
	Dark base	~ 1.35 kg/L (at +27°C)
<b>pH-Value</b>	~ 9	

Solid content by weight ~ 56%

Volatile organic compound (VOC) content < 10 g/L

## TECHNICAL INFORMATION

Elongation at Break	≥ 100%	(ASTM D 2370)
Crack Bridging Ability	3.2 mm	(ASTM C 1305)
Tensile Adhesion Strength	≥ 1.5 N/mm <sup>2</sup> (On concrete)	(EN 1542)
Permeability to Water Vapour	~ 25 g/m <sup>2</sup> /day	(ASTM E 96)
Water Absorption	< 20 %	(ASTM D 570)

## SYSTEM INFORMATION

### System Structure

#### For dense concrete substrates

Layer	Product	Consumption
Primer	Sika® Primer W	~ 0.150–0.250 kg/m <sup>2</sup>
Base Coat	Sikagard® XT	~ 0.110–0.150 kg/m <sup>2</sup>
Top Coat	Sikagard® XT	~ 0.100–0.130 kg/m <sup>2</sup>

#### For porous substrates

Layer	Product	Consumption
Primer	Sika® Primer W diluted with 0.5 pbw water	~ 0.080–0.100 kg/m <sup>2</sup>
Base Coat	Sikagard® XT	~ 0.110–0.150 kg/m <sup>2</sup>
Top Coat	Sikagard® XT	~ 0.100–0.130 kg/m <sup>2</sup>

## APPLICATION INFORMATION

Consumption	3.6–4.8 m <sup>2</sup> per kg for 2 coats
Layer Thickness	DFT in one coat including primer 60–70 microns DFT in two coats including primer 110–115 microns  Minimum two coats recommended for optimum performance, applied by paint roller.
Ambient Air Temperature	+8°C min. / +45°C max.
Substrate Temperature	+10°C min. / +45°C max.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be clean and dry, homogeneous, free from oil and grease, dust and loose or friable particles, free from paint, cement laitance, old coatings and any other contaminants. All new cement sand renderings, concrete surfaces should be allowed to age for minimum of 28 days before coating.

### MIXING

The materials are supplied ready to use. Stir thoroughly using a conventional paint stirrer prior to application.

### APPLICATION

Prime the surface with Sika® Primer W as per above consumption evenly onto the substrate with brush or roller and allow it to dry for 3–4 hrs. Apply two coats of properly stained Sikagard® XT without any dilution by brush, roller or airless spray at an over coating interval of 5–6 hrs.

### CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use.

## FURTHER DOCUMENTS

### Recommendation for Staining :

For staining and mixing, use only colour machines of standard companies. Use the same company's machine till the respective project is completed. The colour may give you slightly different look on textured or smooth surface. Sika is not responsible for shade variation, etc.

A test patch is always recommended for color matching before actual painting over a large area.

## LIMITATIONS

- Do not apply when there is:
  - expected rain
  - temperature below + 8°C or above 45°C
  - concrete younger than 28 days
- As a general guideline, for obtaining darker shades use good quality exterior pigments with a dark base. For obtaining lighter shades use good quality exterior pigments with a white base. However, in both cases pre-test for consistency of colour shade is recommended through site trials before application.
- Sikagard® XT does not require any special curing but must be protected from rain for at least 4 hrs after application.
- Coverage may vary depending on the porosity and the profile of the substrate and hence using Sika® Primer W is mandatory for getting optimum coverage and bonding with the substrate.
- In case of exceptional situation where an even higher coverage is desired the product may be diluted with clean potable water.

## 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.

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### Product Data Sheet

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May 2020, Version 01.01  
021815200000000015

## 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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