

## Sikagard® XT

Acrylic based elastomeric exterior waterproof cum decorative coating

<b>Product Description</b>	Sikagard® XT is a one part 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
<b>Uses</b>	<ul style="list-style-type: none"><li>■ As weatherproof protective and decorative coatings for exterior masonry, concrete, cement sand rendered all types of exterior walls, etc. Also can be used on all types of drywall surfaces like gypsum, cement fibre boards etc.</li></ul>
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"><li>■ Excellent waterproofing capability</li><li>■ Elastomeric with excellent crack bridging ability.</li><li>■ Ready to use and does not require any dilution.</li><li>■ UV rays resistant</li><li>■ Forms a tough film giving very good resistance against weathering and ageing.</li><li>■ Protects the building from corrosive atmosphere (highly resistance to chloride penetration)</li><li>■ Suitable for saline environment due to anticarbonation properties</li><li>■ Excellent resistance to microbial organisms like algae and fungi maintaining its aesthetic value.</li><li>■ Excellent dirt pickup resistance which provide long lasting bright colour retention.</li><li>■ Water vapour permeable</li><li>■ Very low VOC</li><li>■ Non sag and evenly covering all surfaces</li><li>■ Easy to clean</li><li>■ Suitable for interior applications also</li></ul>
<b>Tests</b>	
<b>Approval/standards</b>	IS 2645, EN 1542, ASTM D 5589, ASTM D 5590, ASTM C -1202-08, ASTM D 4587, ASTM C 836, BS EN ISO 527-3
<b>Form</b>	
<b>Appearance / Colour</b>	Liquid Emulsion Available in white & dark bases,
<b>Packaging</b>	1kg & 25 kg for both white & dark base.
<b>Storage</b>	
<b>Storage Conditions / Shelf Life</b>	24 months from date of production if stored in undamaged and unopened, original sealed packaging, in dry conditions and protected from direct sunlight. Protect from frost.

Distribution



## Technical Data

<b>Chemical Base</b>	: Acrylic co-polymer with special additives	
<b>Density</b>	~ 1.35 kg/l for (dark bases), 1.37 kg/l (for white bases) at 27°C	
<b>Solid Content (by weight)</b>	~ 56%	
<b>Elongation %</b>	> 180%	(According to ISO 527 -3)
<b>Crack Bridging Ability</b>	>1.5 mm	(According to ASTM C -836)
<b>Tensile Strength( Mpa)</b>	>~ 2.5	(According to ISO 527 -3)
<b>Accelerated weathering, 500 hours</b>	No cracking , no blister& 100% gloss retention	(According to ASTM D 4587)
<b>Rapid chloride penetration</b>	Very low	(According to ASTM C 1202-08)
<b>Algae resistance test</b>	No growth	(According to ASTM D -5589)
<b>Fungi resistance test</b>	No growth	(According to ASTM D -5590)
<b>System Film Thickness</b>	DFT one coat including primer: 60- 70 microns. Minimum two coats recommended for optimum performance) Total system thickness (DFT) = 110-115 microns (primer with two coats). Applied by paint roller.	
<b>Adhesion strength on Concrete</b>	>1.5 Mpa	(According to EN 1542)
<b>VOC in gm/l</b>	< 10,	Complies to Green building standards

## System Information

### Application Details

#### System Structure/Consumption

System	Product	No. of Applications	Dilution	Consumption
Priming	Sika® Primer W	1	Nil, For porous substrate Use a dilution of 1SPW:0.50 water by wt	~0.150-0.250 kg/m <sup>2</sup> ~0.080-0.100 kg/m <sup>2</sup>
Base Coat	Sikagard® XT	1	Nil	~ 0.110- 0.150 kg/m <sup>2</sup>
Top Coat	Sikagard® XT	1	Nil	~ 0.100- 0.130 kg/m <sup>2</sup>

**Coverage** 3.6-4.8m<sup>2</sup> per kg for 2 coats

**Recommendation for Staining** For Staining and mixing, use only colour machines of standard companies. Use the same company machine till you complete the respective project. The colour may give a slightly different look on textured or smooth surface. Sika is not responsible for shade variation, etc.  
A test patch is always recommended for colour matching before actual painting over large area

**Substrate Quality** 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

**Substrate Preparation** The surface should be sound and made free from all loose and friable materials. All cement laitance, old coatings ,oil and grease and any other contaminants must be removed.

**Application Instructions****Ambient Temperature:** + 8°Cmin / +45°C**Substrate Temperature** +10°C min / +45°C max**Mixing** The materials are supplied ready to use. Stir thoroughly using a conventional paint stirrer prior to application.**Priming** Prime the prepared substrate with Sika® Primer W as per above consumption evenly onto substrate with brush or roller and allow it to dry for 3-4 hrs.**Application methods/Tools** Apply two coats of properly stained Sikagard® XT without any dilution by brush, roller or airless spray at over coating interval of 5-6 hrs. Clean all tools and application equipment with clean water immediately after use.  
  
Sikagard® XT does not require any special curing but must be protected from rain for at least 4 hrs.**Cleaning of Tools** Clean all tools and application equipment with clean water immediately after use.**Important Recommendation**

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.

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Coverage may vary depending upon the porosity and profile of the substrate and hence using Sika® Primer W is mandatory for getting optimum coverage and bonding with substrate.

In case of an exceptional situation where an even higher coverage is desired the product may be diluted with clean portable water.

**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.

**Health and Safety Information**

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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