

**Product Data Sheet**  
Edition 25/04/2012  
Identification no:  
02 09 01 05 001 0 000000  
Sikagard®- PUUR(W)

## Sikagard® PU UR (W)

Single component, waterborne modified acrylic/polyurethane dispersion based surface coating with a semi gloss finish

<b>Product Description</b>	Sikagard® PU UR (W) is a single component, coloured, waterborne acrylic/polyurethane resin based surface coating containing an organic in-film preservative.	
<b>Uses</b>	<ul style="list-style-type: none"><li>■ Coloured seal coating for internal walls and ceilings</li><li>■ For concrete, bricks, cement based and gypsum substrates, metallic surfaces, timber, tiles and plastic</li><li>■ Suitable for clean rooms in the pharmaceutical and medical industry. Also suitable for food and beverage industry, hospitals, healthcare facilities, kitchens, prisons and leisure facilities.</li><li>■ Maintenance layer on existing coatings</li></ul>	
<b>Characteristics / Advantages</b>	<ul style="list-style-type: none"><li>■ Easy application</li><li>■ Fast drying, two coats in one working day</li><li>■ Elastomeric, resists cracking and flaking</li><li>■ Good resistance to repeated cleaning regimes using mild detergents and cleaning solutions</li><li>■ Impact, scratch and abrasion resistant</li><li>■ Seamless, glossy, easy clean finish</li><li>■ Good covering and hiding power (opacity)</li><li>■ Low odour</li></ul>	
<b>Product Data</b>		
<b>Form</b>		
<b>Colour</b>	White	
<b>Packaging</b>	1.0 kg and 4kg	
<b>Storage</b>		
<b>Storage Conditions / Shelf-Life</b>	6 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight and frost.	
<b>Technical Data</b>		
<b>Chemical Base</b>	Waterborne acrylic/polyurethane copolymer dispersion	
<b>Density</b>	1.3kg/l	
<b>Solid Content</b>	57%	
<b>Adhesion strength on Concrete</b>	>1.5 MPa	(According to EN 1542)
<b>Tack free time</b>	2-4 hours at +27° C (depending on humidity temperature and ventilation)	
<b>Water Vapour Transmission</b>	~ 32 g/m²/ 24h	(According to ASTM E 96 : 2000)



## Mechanical / Physical Properties

<b>Tensile Strength ( Mpa)</b>	~ 1.5	(According to ISO 527 -3)
<b>Elongation %</b>	> 100%	(According to ISO 527 -3)

## Application Details

### System

### Structure/Consumption

System	Product	No. of Applications	Dilution	Consumption
Priming	Sika® Primer W	1	Nil	~0.150-0.250 kg/m <sup>2</sup>
Base Coat	Sikagard® PUUR(W)	1	Nil	~ 0.10- 0.11 kg/m <sup>2</sup>
Top Coat	Sikagard® PUUR(W)	1	Nil	~ 0.10- 0.11 kg/m <sup>2</sup>

DFT ~ 100 – 110 micron (Two coat)

## System Information

### Application Details

<b>Substrate Quality</b>	The substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, laitance, mould, grease, coatings and surface treatments, etc. Brick work, block work, stone work: Inspect the substrate. Spalling, flaking or damaged areas should be repaired using compatible materials to match surroundings or replaced as necessary. If in doubt apply a test area first..
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### Application Conditions / Limitations

<b>Substrate Temperature</b>	+15°C min. / +30°C max.
<b>Ambient Temperature</b>	+15°C min. / +30°C max.

### Application Instructions

<b>Application Method / Tools</b>	Prior to application, confirm substrate moisture content, relative humidity and dew point. <i>Primer:</i> Sika® Primer (W) can be applied by good quality sponge roller, brush or airless spray.  <i>Intermediate coat:</i> Sikagard®-PUUR(W) can be applied by quality sponge roller, brush or airless spray  <i>Top Coat:</i> Sikagard®-PUUR(W) can be applied by quality sponge roller, brush or airless spray.
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## System Information

### Notes on Application / Limitations

The primer may become high viscous due to change in ambient conditions like temperature and humidity that might affect the consistency and increase consumption of the primer. Under such situation, a site modification by adding water is recommended by Sika®. In order to achieve application friendly consistency of the product. The dilution is fixed on the basis of site trials. However, the above table may be followed as a guideline.

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**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.

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**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.

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## 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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