

## PRODUCT DATA SHEET

# Sikagard<sup>®</sup>-700 MY 1

## Hydrophobic treatment and water repellent impregnation

### DESCRIPTION

Sikagard<sup>®</sup>-700 MY 1 is a single part silane-siloxane water repellent impregnation for absorbent cementitious substrates. It penetrates well into the open pores of the substrate, providing durable water repellency, while still allowing water vapour diffusion in both directions.

### USES

Sikagard<sup>®</sup>-700 MY 1 is used as water repellent and colourless protective surface treatment on absorbent exposed materials such as concrete, cementitious rendering, concrete tiles, fibre cement, brickwork (clay and lime sand, non vitrified), natural stone, etc. Sikagard<sup>®</sup>-700 MY 1 can also be used as hydrophobic primer under solvent based or emulsion protective coating.

Sikagard<sup>®</sup>-700 MY 1 is not suitable on gypsum panels.

### CHARACTERISTICS / ADVANTAGES

- Reduces capillary water absorption
- Reduces efflorescence
- Reduces dirt penetration into the pores
- Improves thermal insulation
- Can be overcoated with solvent based and dispersion coating
- Higher durability and resistance than conventional silicone based treatments
- Does not usually change the appearance of the substrate
- Reduces chloride ion ingress and movement
- Does not act as a vapour barrier
- High alkaline resistant
- Tack free drying

### PRODUCT INFORMATION

<b>Packaging</b>	20 L pail
<b>Shelf Life</b>	24 months from date of production
<b>Storage Conditions</b>	Store in undamaged and unopened, original sealed packaging, in cool and dry conditions at temperatures $\leq +27$ °C. Keep away from direct sunlight.
<b>Appearance / Colour</b>	Colourless liquid
<b>Density</b>	0.80 at 25 °C
<b>Flash Point</b>	> 63 °C (Closed cup)

## APPLICATION INFORMATION

<b>Consumption</b>	On concrete	0.15–0.20 kg/m <sup>2</sup> per coat
	On brick or natural/artificial stone	0.30–0.50 kg/m <sup>2</sup> per coat
	When used as stand alone, always apply a minimum of 2 coats. When used as primer, application of 1 coat is sufficient.	
<b>Ambient Air Temperature</b>	+25 °C min. / +40 °C max.	
<b>Relative Air Humidity</b>	< 90 %	
<b>Substrate Temperature</b>	+25 °C min. / +40 °C max.	
<b>Tack Free Time</b>	~1 hour, depending on porosity or absorption	
<b>Waiting Time / Overcoating</b>	6–8 hours Can be overcoated with water/solvent based polymer paints - contact the paint manufacturer for details. When overcoating with Sikagard®-680 MY or solvent based coating, wait at least 5 hours after the application of hydrophobic impregnation.	

## 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

- Minimum age of concrete or mortar: at least 4 weeks.
- Cannot be overcoated with limewash or cement paint.
- If there are strict aesthetic requirements (often when used on natural stone), it is recommended to make preliminary tests as on some stones a slight darkening of the surfaces may occur.
- Sikagard®-700 MY 1 is not intended for waterproofing under hydrostatic pressure, in permanent contact with water, or for below ground waterproofing.
- Sikagard®-700 MY 1 is not intended to seal visible cracks from moisture ingress.
- Building components not to be coated (e.g. aluminium frames, windows, etc.) need to be protected from contact with Sikagard®-700 MY 1. In case of splashes, clean immediately using an additional solvent if necessary.
- Only apply in conditions of good ventilation, which should be maintained during drying. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time, the relative humidity should not exceed 90 % and the temperature should remain at least 3 °C above the dew point.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY / PRE-TREATMENT

Free of dust, oil, efflorescence and existing paint coatings. Cracks of more than 200 microns must be repaired prior to application of the hydrophobic treatment. Cleaning is best achieved by brushing with suitable detergents or by light blast-cleaning or steam cleaning, etc. Best results are obtained on dry, very absorbent substrates. The substrate must look dry with no damp patches.

### APPLICATION

Sikagard®-700 MY 1 is supplied ready for use and should not be thinned.  
Sikagard®-700 MY 1 is applied using low pressure spray, brush or roller, working from top to bottom taking care not to let the product run. Apply subsequent coats "wet on wet".

### CURING TREATMENT

Sikagard®-700 MY 1 does not require any special curing but must be protected from rain for at least 3 hours at +20 °C.

### CLEANING OF TOOLS

Clean all tools and application equipment with suitable thinner immediately after use. Hardened or 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 war-

ranty 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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