

PRODUCT DATA SHEET

Sikagard®-625 ClearCoat

TRANSPARENT COATING BASED ON ACRYLIC DISPERSIONS FOR STONE, MASONRY AND CONCRETE

DESCRIPTION

Sikagard®-625 ClearCoat is a water based, invisible, protective coating that is suitable for all forms of natural stone, concrete and masonry. It protects against stains, discoloration, efflorescence and soiling. When applied on marble, brick, limestone and mortar joints, it will seal and reduce staining and water absorption. It can be used internally or externally without changing the aesthetic look of the surface & can be used for protection of concrete and other mineral facade surfaces.

Due to self crosslinking polymers it gives very high resistance to alkaline substrates, protects the top coat of several coatings and gives very high efflorescence resistance.

USES

- Seals and protects natural stone
- Internal and external use
- Suitable for use on natural stone including Indian sandstone, granite, slate and limestone
- Ideal for use on paths, patios and block paving
- Protection of concrete, mortar, masonry and other mineral facade surfaces

CHARACTERISTICS / ADVANTAGES

- Protection of both internal and external surfaces
- Smaller polymer particles penetrate deeply to provide excellent substrate adhesion
- Easy to apply, no special tools required
- Water based and non-flammable
- Solvent free, zero VOC
- Protects from accidental spillage
- Suitable for porous substrates with over coating
- High resistance to alkali
- Efflorescence resistant
- Non tacky in short time
- Reduces tendency to dirt pick up
- Excellent water repellent
- Very low water penetration into substrate
- Spray application possible

PRODUCT INFORMATION

Chemical Base	Acrylic polymer dispersion
Packaging	5 kg x 2 plastic containers
Appearance / Colour	Milky white liquid
Shelf Life	12 months from date of production
Storage Conditions	Store properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost.

Density	~1.05 kg/L
Solid content by weight	~25 %

TECHNICAL INFORMATION

Tensile Adhesion Strength	≥ 1.5 N/mm ²	(EN 1542)
Resistance to Weathering	Excellent	
Water Vapour Transimission	~22 gm/m ² /24 hours	(ASTM E96)
Water Absorption	~12 % by weight after 24 hour water immersion	(ASTM D570)

SYSTEM INFORMATION

System Structure	Stone / Masonry / Porous concrete substrate:	
	Layer	Product
	Base coat	Sikagard®-625 ClearCoat
	Top coat	Sikagard®-625 ClearCoat
	Dense concrete substrate:	
	Layer	Product
	Primer coat	Sikagard®-551 S Elastic Primer
	Base coat	Sikagard®-625 ClearCoat
	Top coat	Sikagard®-625 ClearCoat

APPLICATION INFORMATION

Consumption	~0.12 to 0.15 kg/m ² per coat depending on porosity and absorption of the substrate. Minimum 2 coats are recommended. For spray applications, consumption shall be little higher.	
Ambient Air Temperature	+8 °C min. / +45 °C max.	
Relative Air Humidity	60 % max.	
Substrate Temperature	+8 °C min. / +45 °C max.	
Waiting Time / Overcoating	Substrate temperature	Overcoating time
	+20 °C	5–6 hours
	+35 °C	2–3 hours
Drying Time	Tack free	~30 minutes
	Full cure	~3 days
	at +30 °C and relative humidity 60 %	

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

All surfaces to be sealed must be clean and free of dust, oil and grease. Allow cements, mortars and stucco to cure for 24 hours before applying sealer. On new paving remove any dust or loose material by sweeping with a stiff brush. When applied on exterior coatings and porous substrates, the surface must be cleaned with water and allowed to dry.

APPLICATION

Stir well before use. Apply the sealer using a good quality long pile roller or suitable brush in dry weather. Apply in even coats ensuring any surface irregularities are covered (avoid pooling / ponding of product). Drying time will vary depending on the environment condition. As a guide drying time will be approx. 2–3 hours at +35 °C. The second coat must be applied typically after the first coat is tack free. When applying to masonry joints, the coating must be brushed well into the joints. A consumption / appearance trial is recommended before use.

CLEANING OF TOOLS

Clean all equipment with clean water. Hardened / cured material can only be removed mechanically.

FURTHER DOCUMENTS

Resistance to algae and fungi	Excellent
Resistance to micro-organism growth	Excellent

LIMITATIONS

- Freshly applied coating must be protected from rain for at least 3 hours at +30 °C
- Usage of primer for concrete substrates depends on porosity of concrete, very dense concrete substrates must use recommended primer Sikagard®-551 S Elastic Primer
- Sikagard®-625 ClearCoat is a water repelling and protective coating and must not be considered as a waterproofing coating for stone / concrete / masonry substrates.

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.

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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