

Product Data Sheet
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Sika® Color-670 W

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Protective acrylic based coating for facades

Product Description

Sika® Color-670 W is a 1-part coating for external surfaces based on water dispersed acrylic resin designed for protection and decoration of facades.

Uses

- Coating for external surfaces such as plasters, concrete, masonries.

Characteristics / Advantages

- Water vapour permeable, allowing the substrate to breathe
- Excellent resistance against weathering and ageing
- Environmentally friendly, solvent free product
- UV - resistant
- Easy application
- Good opacity and covering ability
- Suitable also for internal use

Product Data

Form

Appearance / Colours Creamy, selected colours according to the colour chart.

Packaging 3l and 10l pails.

Storage

Storage Conditions / Shelf-Life 12 months from date of production if stored properly in unopened and undamaged original sealed packaging in cool and dry conditions at temperatures between +5°C and +40°C. Protect from direct sunlight and frost.

Technical Data

Chemical Base Acrylic resin dispersed in water.

Density ~ 1.47 ± 0.03 gr/ml (at +20°C)

Viscosity 15000 ± 5000 cps Brookfield RVT (10 rpm axis 5, 20 °C)

Construction



System Information

System	Product	Number of Coatings
Priming	SikaColor® -500 W Primer	1
Top coat	Sika® Color-670 W	1

Note: A second coat of Sika® Color-670 W may be required in the case of light or bright colour shades in order to achieve good opacity.

Application Details

Consumption 11 -13 m²/lt dependent on the absorbency and the penetration depth of the substrate

Substrate Preparation *Exposed concrete without existing coating:*
The substrate must be dry ,clean and free from oil, grease and loose, friable particles.

Whenever a remedial application on the surfaces is required, an acrylic putty should be applied. After the curing of the putty, grind all the surfaces with an abrasive pad.

New concrete and new render must be at least 28 days old.

Exposed concrete with existing coating:

Existing coatings must be tested to confirm their adhesion to the substrate - adhesion test average > 0.8 N/mm² with no single value below 0.5 N/mm².

- Inadequate adhesion:
Existing coatings must be completely removed by suitable methods and the substrate must be sufficiently sound and suitable to be coated as above.
- Adequate adhesion:
Thorough cleaning of all surfaces by steam cleaning or high pressure water jetting

Application Conditions / Limitations

Substrate/ Ambient Temperature +10°C min / +35°C max

Relative Air Humidity < 80%

Dew Point The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.

Application Instructions

Mixing The material is supplied ready for use. Stir thoroughly prior to application.
For use on very absorbent substrates, add up to 10% water - stir thoroughly again prior to use.

Application Method / Tools Sika® Color-670 W can be applied by brush, short hair pile roller or airless spray.

Tool maintenance Removal of fresh remnants from tools and application equipment can be carried out using water immediately after use. Hardened / cured material can only be mechanically removed.

Waiting Time / Overcoating Waiting time between coats:

Previous coating	Waiting time			Next coating
	8 - 10°C	15 - 23°C	30 - 35°C	
Sika® Color -500 W Primer	2 hours	1.5 hours	1 hour	Sika® Color -670 W
Sika® Color -670 W	5 hours	4 hours	3 hours	Sika® Color -670 W

Note: A refresher coat of Sika® Color-670 W can be applied without priming if the existing coating has been thoroughly cleaned.

Notes on Application / Limitations

Do not apply when:

- Rain or frost is expected.
- Relative humidity is above 80%.
- The temperature is below +10°C and/or below dew point conditions.
- On wet surfaces.

At temperatures below +10°C on very absorbent substrates with strong winds, there is a risk of drying cracks and reduced adhesion so these conditions should be avoided.

Sika® Color-670 W is resistant to common atmospheric pollutants.

Curing Details

Curing Treatment

Sika® Color-670 W does not require any special curing but must be protected from rain for at least 2 hour at +23°C.

Applied Product ready for use

Full curing: ~ 4 hours at +23°C.

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.

Local Restrictions

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should 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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