BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-940 Color Seal

MODIFIED ACRYLIC RESIN BASED COLOR SURFACE HARDENER, DUST PROOFER, SEALER FOR CONCRETE AND FLOOR SURFACE

DESCRIPTION

Sikafloor®-940 Color Seal is one part colored modified acrylic resin based to seal concrete, cementitious surface and floor surface.

USES

Sikafloor®-940 Color Seal may only be used by experienced professionals.

- Old or new applied Sika® Chapdur dry shake hardener and horizontal concrete surfaces, where a hard surface with light to moderate abrasion resistance is require e.g. werehouses, industrial plants, stores, shopping malls, parking structures, service stations, hangars etc.
- Re-new surface appearance of old Sika® Chapdur dry shake hardener.
- Dust-proofing of concrete or cementitious surface.

FEATURES

- Ready to use and easy to apply.
- Good adhesion to old and new applied Sika® Chapdur dry shake hardener or concrete.
- Improved abrasion resistance compared to untreated concrete.
- Reduced dusting of concrete floors.
- Quick drying.
- Good UV resistance, non-yellowing.
- It can be applied on epoxy and polyurethane cement surface.

PRODUCT INFORMATION

Composition	Modified acrylic resin
Packaging	20 kg and 5 kg Tin cans
Appearance and colour	Liquid and Colours (Green and Grey)
Shelf life	12 months from date of production, if stored properly in original, unopened and undamaged sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +10 °C and +30 °C. Protect from frost.
Density	~1.0 ± 0.01 kg/L (at +20 °C)

TECHNICAL INFORMATION

Abrasion resistance	7 days	~0.65 g (at +27 °C) (CS 10/ 1000/ 1000)	(ASTM D 4060) Taber Abrader Test
Tensile adhesion strength	7 days	~1.5 N/mm² (at +27 °C) Concrete failure	(ASTM D7234)

SYSTEM INFORMATION

Systems	Minimum 2 coats

APPLICATION INFORMATION

Consumption	0.1 - 0.15 kg/m²/coat This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc.
Ambient air temperature	+5 °C min, +35 °C max.
Relative air humidity	80 % max
Substrate temperature	+5 °C min, +35 °C max.
Waiting time to overcoating	Allow previous coats to become tack free before applying additional coats. **Substrate temperature** / **Overcoating time** +20 °C / Min. 4 hours +30 °C / Min. 2 hours Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.
Drying time	The surface is touch-dry after 2 hours at +30 °C.
Applied product ready for use	**Substrate temperature** / **Light Traffic** / **Fully Serviceable** +20 °C / ~24 hours / ~48 hours +30 °C / ~12 hours / ~24 hours Note: Times are approximate and will be affected by changing ambient and substrate conditions.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Apply coating by roller or brush, we recommend to use suitable paint tray (do not pour material on surface unless the material will be coated / rolled directly).
- Please maintain application on overlapping or between roller coat area should be finished less than 10 minutes at +30 °C.
- Please maintain mohair roller coat condition, if the roller coat become worn out, change the roller coat immediately.
- Do not mix differing formulations of Sika® or other curing membranes.
- Do not use on substrates treated previously with curing agents, membrane forming sealers or asphalt until these layers have been removed completely.
- Sikafloor®-940 Color Seal will not compensate for poor substrates with low cement content. It is not intended for substrates which are lightweight or extremely porous or have worn (aggregate exposed) surfaces.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Hardened / old concrete / concrete with applied Sika® Chapdur Dry Shake Hardener

- Surfaces must be sound, clean, free from frost, laitance, surface water, oils, grease, coatings, all loosely adhering particles and other surface contaminants. If in doubt apply a test area first.
- To obtain the best abrasion resistance performance and durability, we recommend to apply the product in sound concrete substrate with sufficient strength and minimum pull off strength of 1.0 MPa (N/mm²).

SUBSTRATE PREPARATION

Hardened / old concrete / concrete with applied Sika Chapdur Dry Shake Hardener

- The substrate must be prepared by power cleaning machine.
- All dust, dirt, loose and friable material must be completely removed from all surfaces by brush and / or vacuum before application of the product.

MIXING

Sikafloor®-940 Color Seal is supplied ready for use. Stir thoroughly for 1 to 2 minutes with an electric stirrer with low speed (~300 rpm) before use.

APPLICATION

- Apply first coat by roller or brush, we recommend to use suitable paint tray (do not pour material on surface unless the material will be coated / rolled directly).
- To achieve the highest visual aesthetic and performance, a second coat is highly recommended.
- Wait for first coat to dry tack free before applying second coat.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with thinner immediately after use.
Hardened / cured material can only be mechanically removed.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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