BUILDING TRUST

PRODUCT DATA SHEET

Sikalastic®-658

COLOURED SLIP RESISTANT ACRYLIC COATING FOR ASPHALT AND CONCRETE

DESCRIPTION

Sikalastic®-658 is a water-based, slip-resistant acrylic coating for concrete and asphalt. Sikalastic®-658 provides a complete coating system for outdoor recreation areas and surfaces with pedestrian traffic.

USES

- Interior and exterior
- Pedestrian traffic areas
- Balconies
- Swimming pool decks
- Walkways and stairways
- Tennis courts and playgrounds
- Bike paths
- Recreational areas

Substrates

- Concrete
- Masonry
- Asphalt

CHARACTERISTICS / ADVANTAGES

- Slip-resistant safety finish makes Sikalastic®-658 ideal for pedestrian traffic surfaces
- Excellent UV resistance
- Comes in vivid, permanent colors that help beautify concrete and asphalt surfaces
- Weather resistance for excellent durability and abrasion resistance
- Ready to use with nothing to add or mix; just pour and spread
- Colors are non-glaring, making them ideal for tennis courts
- Available in custom colors for a wide range of color choices
- Water-based for easy cleanup

PRODUCT INFORMATION

Chemical Base	Sikalastic®-658 is a 100% acrylic formula with quartz aggregate. Sikalastic®-658 Primer: Type: Acrylic
Packaging	Sikalastic®-658 and 658 Primer 18.9 L pails
Colour	Tint Bases
Shelf Life	2 years
Storage Conditions	Store in unopened containers in a cool, clean dry area. Do not allow any Sikalastic®-658 product to freeze in the container; do not store below 5 °C.

Viscosity	**Sikalastic®-658** 120 KU Kerbs-Stormer at 25 °C **Sikalastic®-658 Primer** 100 sec #1 Zahn cup
Solid content by weight	**Sikalastic®-658** 63% **Sikalastic®-658 Primer** 22%
Solid content by volume	**Sikalastic®-658** 47% **Sikalastic®-658 Primer** 20%

APPLICATION INFORMATION

Yield

Coat	Concrete	Asphalt	Aged Asphalt
1st	2.2 – 2.5M²/L	2.0 – 2.2M²/L	1.7 – 2.0M²/L
2nd	2.5 – 3.1M²/L	2.2 – 3.1M²/L	2.0 – 2.5M²/L

Sikalastic®-658 Primer
6.1–7.4 m2/L to achieve a dry 0.025 mm thickness

Drying Time

At 21 °C and 50% relative humidity:
- 4 hours between coats
- 8 hours for light foot traffic
- 24–36 hours for heavy pedestrian traffic

Application at cooler temperatures or high humidity will greatly extend drying times.

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.

LIMITATIONS

For Best Performance

- Do not allow Sikalastic®-658 to freeze in the container.
- Do not apply Sikalastic®-658 when the relative humidity is above 70% or when the surface temperature is below 15 °C or when it will drop below 15 °C within 24 hours after application. If rain is expected, protect the surface for at least 3 hours.
- Air temperatures above 32 °C can promote extremely quick dry times. Work quickly to smooth out the coating to avoid leaving roller or squeegee lines.
- Because Sikalastic®-658 is a textured coating, it may stain or pick up dirt.
- Sikalastic®-658 will not eliminate structural defects such as major cracks caused by an unsound substrate; tennis courts having widespread surface defects (holes, cracks, pitting, and depressions) should be filled and then leveled with several applications of a bodied asphalt-emulsion sealer.
- When the court surface displays major structural problems such as wide cracks, erosion, and heaving, resurfacing will not be sufficient. A 2" course of blacktop may be required.
- Dry time will be retarded by high humidity or low temperatures. Sikalastic®-658 can take up to 2–3 weeks for a total cure. Interior applications not subject to direct sunlight may take longer for a total cure.
- Not recommended for driveway applications; avoid heavy tire traffic. Contact with brake fluid, gas, oils, and other petroleum-based products will soften and deteriorate Sikalastic®-658.
- Prolonged contact with standing water will temporarily soften Sikalastic®-658. Keep traffic off the softened surface until it has dried. When thoroughly dry, Sikalastic®-658 will regain its hardness. Sikalastic®-658 is not recommended on surfaces subject to water ponding or excessive wetness. Slope surfaces to drain water.
- When applying Sikalastic®-658 over an existing coating, a test application is recommended.
- When applying Sikalastic®-658 on dry APA-approved wood decks, first prime with an alkyd-oil-based primer, then coat with Sikalastic®-658; treated lumber must weather for a minimum of 6 months before primer and Sikalastic®-658 can be applied.
- Proper application is the responsibility of the user.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Concrete Surfaces

1. Floors must be structurally sound, fully cured, clean, and dry.
2. Holes, crevices, and spalled or disintegrated portions must be properly patched and filled; consult Technical Service for the appropriate concrete repair product.
3. All oil, grease, dirt, debris, mortar, paint drippings, curing and release compounds, and other surface treatments such as hardeners or sealers must be removed.
4. Mechanical surface profiling is the preferred floor preparation method. Mechanically profile the floor to a medium-grit sandpaper texture CSP-3 and remove curing and release compounds and other surface hardeners and floor coatings. The key is to create a surface profile that will enable the coating to penetrate.

Asphalt Surfaces

1. New asphalt must weather a minimum of 60 days before application of Sikalastic®-658. Rake out all cracks to remove accumulated sand, mud, and weeds. Thoroughly hose down the surface to remove sand and sediment.
2. Scrub oil-soaked areas with a strong solution of detergent and hot water. Rinse the area thoroughly with clear water, squeegee off excess, and allow to dry for 1 to 3 days. When dry, check the surface for any dirt or debris. If more than a trace is present, remove it with compressed air or a vacuum.
3. Repair holes and cracks with a suitable sealant, filler, or patching material.
4. Press or squeeze the patch firmly into place with a putty knife or trowel. Level off with adjacent surface.
5. Allow a minimum of 24 hours before topcoating. Do not apply in cracks wider than 13 mm.

Priming (Concrete Only)

Only required when Sikalastic®-658 is subjected to freeze-thaw environmental conditions.

1. Apply Sikalastic®-658 Primer at the rate of 6.1–7.4 m ^{2}/L. Apply Sikalastic®-658 over the primer within 30 minutes while the surface still has a slight tack to it. In shady conditions apply Sikalastic®-658 within 4 hours.
2. To improve the subsequent application of Sikalastic®-658 acrylic coating, use approximately 0.12–0.24 kg/L of fine-grain, dry silica sand directly with Sikalastic®-658 Primer; lightly broadcast the sand onto the material while it is still wet. This will prevent the roller or squeegee from slipping when Sikalastic®-658 is applied.

APPLICATION

Application

1. Stir Sikalastic®-658 well before using. Whenever possible, apply Sikalastic®-658 out of direct sun and during the cooler hours of the day.
2. Sikalastic®-658 may be applied using a 10 mm nap roller or wide-blade rubber squeegee. Dampen the squeegee or roller before using it and shake off excess water.
3. Pour Sikalastic®-658 in a continuous stream along one edge of the area to be coated. In hot or sunny conditions, up to 1.9 L of water per 18.9 L pail may be added to improve the flow and application.
4. Spread evenly in short lines. Continue pouring and spreading Sikalastic®-658, overlapping 50% into the wet edge of the previous pass. For roller applications, finish the coating in one direction to prevent shading variations.
5. Allow the first coat to dry thoroughly before applying a second. For the best finish, apply the second coat at a right angle to the first.

CLEANING OF TOOLS

Clean tools and equipment with soap and water.

MAINTENANCE

MAINTENANCE

1. Sikalastic®-658 should be cleaned only after the coating has been cured for at least 2–3 weeks. To remove dirt, use a solution of water with TSP, ammonia, or a mild detergent. Scrub lightly with a soft-bristled brush.
2. Rinse the surface thoroughly with clean water.
3. Do not allow the cleaning solution or rinse water to stand or pond for long periods of time. Severe stains may require a strong detergent.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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