

PRODUCT DATA SHEET

Sikalastic®-658

(formerly MasterSeal® 658)

SLIP RESISTANT ACRYLIC COATING FOR ASPHALT AND CONCRETE; AND PRIMER

PRODUCT DESCRIPTION

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

USES

Sikalastic®-658 may only be used by experienced professionals.

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

Substrates

- Concrete
- Masonry
- Asphalt

PRODUCT INFORMATION

Chemical Base

Sikalastic®-658 is a 100% acrylic formula with silicon dioxide (quartz aggregate).

Sikalastic®-658 Primer:
Type: Acrylic

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

Packaging	Sikalastic®-658 and 658 Primer 5 gallon (18.93 L) pails
Shelf Life	2 years when properly stored
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 35 °F (2 °C).
Color	Tint Bases
Solid content by mass	Sikalastic®-658 63% Sikalastic®-658 Primer 22%
Solid content by volume	Sikalastic®-658 47% Sikalastic®-658 Primer 20%
Viscosity	Sikalastic®-658 120 KU at 77 °F (25 °C) Sikalastic®-658 Primer 100 sec (#1 Zahn cup)

APPLICATION INFORMATION

Coverage	Coat	Concrete	Asphalt	Aged Asphalt
	1st	90 – 100ft ² /Gal (2.2 – 2.5M ² /L)	80 – 90ft ² /Gal (2.0 – 2.2M ² /L)	70 – 80ft ² /Gal (1.7 – 2.0M ² /L)
	2nd	100 – 125ft ² /Gal (2.5 – 3.1M ² /L)	90 – 125ft ² /Gal (2.2 – 3.1M ² /L)	80 – 100ft ² /Gal (2.0 – 2.5M ² /L)

Sikalastic®-658 Primer

250–300 ft²/gal (6.1–7.4 m²/L) to achieve a 1 dry-mil (0.025 mm) thickness

Drying Time	At 70 °F (21 °C) and 50% relative humidity: <ul style="list-style-type: none"> ▪ 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.
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BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

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 60 °F (16 °C) or when it will drop below 60 °F (16 °C) within 24 hours after application. If

rain is expected, protect the surface for at least 3 hours.

- Air temperatures above 90 °F (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. Field visits by Sika personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

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 parting 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 and remove curing and parting 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
5. Use a putty knife or trowel. Level off with adjacent surface.
6. Allow a minimum of 24 hours before topcoating. Do not apply in cracks wider than ½" (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 250–300 ft² /gallon (6.1–7.4 m²/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 1–2 lbs/gallon (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 3/8" (10 mm) roller cover 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 ½ gallon (1.9 L) of water per 5 gallon (18.93 L) pail may be added to improve the flow and application.
4. Spread evenly in short windrows. 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.

Top Coating

For heavier foot traffic or stain and dirt resistance, top coat the fully dried and cured Sikalastic®-658 with Sikafloor® CC 1315 (see form No. 1017913).

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 DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates (“SIKA”), the user must always read and follow the warnings and instructions on the product’s most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA’s Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL**

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Product Data Sheet

Sikalastic®-658
June 2024, Version 01.01
020813020010000059

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Sikalastic-658-en-US-(06-2024)-1-1.pdf

