

## PRODUCT DATA SHEET

# Sikafloor®-955 Formula One™ Liquid Dye Concentrate

Penetrating, translucent dye concentrate designed to color interior concrete surfaces before being sealed, densified, or polished

### PRODUCT DESCRIPTION

Sikafloor®-955 Formula One™ Liquid Dye Concentrate is a solvent-soluble dye for coloring interior concrete surfaces. It is designed for easy job site dilution with acetone or alcohol blend. The diluted material will penetrate the pores of adequately prepared new or old concrete. Sikafloor®-955 Formula One™ Liquid Dye Concentrate can be applied lightly to tone surfaces gently or applied heavily to develop deep colors. Because the dye is translucent, the final color produced is unique to each surface and will be influenced by surface composition. Variations in application technique and topcoat selection can produce color effects that range from rich jewel tones to light-variegated natural results. Previously named SCOFIELD® Formula One™ Liquid Dye Concentrate.

### USES

- Used to color interior new or old concrete, cementitious overlays, or other cementitious surfaces where moisture is not expected

### PRODUCT INFORMATION

<b>Chemical Base</b>	Aprotic Solvent Dye
<b>Packaging</b>	8 oz. (236.6 ml) fill in 8 oz. (236.6 ml) square plastic bottle
<b>Shelf Life</b>	12 months in original unopened container
<b>Storage Conditions</b>	Store in original, unopened containers, in dry storage, between 40-120°F (4.4-48.9°C).

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## Appearance / Color

Available in the 22 standard colors

The final color and appearance are influenced by the concrete age, composition, technique used to finish the concrete, and application technique. Application to slabs with the top paste layer removed will be grainier. If floors are ground to expose aggregates, mortar areas will accept more color than rock surfaces.

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## APPLICATION INFORMATION

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### Coverage

300-600 sq. ft./diluted gal. (7.4-14.7 sq. m/diluted L)

Coverage will vary depending on the porosity and texture of the surface, surface preparation, and application technique. Additional coats may increase color and opacity.

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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 interior use only
- Exposure to sunlight can cause color change or fading.
- Do not use Sikafloor®-955 Formula One™ Liquid Dye Concentrate on damp concrete, concrete slabs on wet ground, or concrete that will be exposed to moisture.
- Moisture can cause Sikafloor®-955 Formula One™ Liquid Dye Concentrate to discolor or move within the slab and cause color variation.
- The moisture content of concrete substrate must be ≤ 4 % by mass (pbw – part by weight) as measured with a Tramex® CME/CMEExpert type concrete moisture meter on a mechanically prepared surface.
- Sikafloor®-955 Formula One™ Liquid Dye Concentrate is not a stand-alone floor finish. After application, it must be locked into the concrete with Sikafloor®-956 Formula One™ LD RTU or Sikafloor®-957 Formula One™ SSD before polishing or sealed with a protective coating.

## 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

Cast a job site mock-up before the installation for

approval of color and finish. Utilize all materials, tools, and techniques from the actual job in the mock-up. Consistent batching, pouring, finishing, curing, sealing, and preparation techniques will ensure the uniformity of architectural concrete. Verify adequate wet and dry slip resistance. Maintenance requirements should also be discussed.

## EQUIPMENT

All equipment, including protective clothing and masking materials, must be safe for use with acetone. Do not mix with electric drills or use in any area where vapors could contact an ignition source. Wear rubber gloves, goggles, and a dust mask if using spray equipment. Wear an organic vapor respirator in any space where vapors may collect.

The dye mixture can be applied using an acetone-resistant garden-type pump sprayer with a conical tip, soft brushes, sponges, or lamb wool applicators. Avoid stiff bristles that can flick dye onto unwanted areas.

## SURFACE PREPARATION

Concrete should be at least 28 days old and readily absorb sprayed acetone. Surfaces to be dyed must be dry, free of evaporation or surface retarders, concrete curing compounds, form release, coatings, sealers, oils, waxes, laitance, or any other material that might prevent dye from penetrating the surface. If any of these inhibitors to penetration are present, dry scrub or grind off these materials with rotary equipment. If power washing or wet cleaning is needed, allow surfaces to dry completely before application of Sikafloor®-955 Formula One™ Liquid Dye Concentrate.

If preparing to color concrete that will be later polished, grind the concrete to the desired aggregate exposure and profile before application of Sikafloor®-955 Formula One™ Liquid Dye Concentrate.

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## MIXING

Each 8 oz. (236.6 ml) square plastic bottle of Sikafloor®-955 Formula One™ Liquid Dye Concentrate is designed to be mixed with 120 oz. (3.5 L) of acetone or alcohol blend to produce 1 gal. (3.8 L) of ready-to-use dye. Mixing can be done in an acetone-resistant pail, sprayer, or 1 gal. (3.8 L) acetone container after removing 8 oz. (236.6 ml) of acetone. Mix materials by hand, stirring with a wooden paint stick, or shaking closed containers for 2 minutes. Consult the most current acetone or alcohol blend local Product Data Sheet and Safety Data Sheet before application of Sikafloor®-955 Formula One™ Liquid Dye Concentrate.

## APPLICATION

Mask all areas not to be dyed to safeguard against splashes, overspray, and runoff from application. Only work in a well-ventilated area. Wear all required safety equipment. Do not work around any possible ignition sources. Take care not to allow tape adhesive to interfere with surfaces to be dyed.

### The following steps have proven successful for floors in a wide range of conditions:

1. Grind or open the surface to the desired level of aggregate exposure. This may require rotary equipment. Finish with 400-grit abrasive disks or pads.
2. Remove dust by vacuum.
3. Apply the Sikafloor®-955 Formula One™ Liquid Dye Concentrate mixture in a circular motion to saturate the surface. A second coat or complementary colors can be used at this time.
4. Allow surfaces to dry. This will take approximately 30 minutes, depending on conditions.
5. Remove surplus dye. Use rotary equipment with stiff bristle brushes or fine-honing 800-grit abrasives to remove excess dye and expose desired aggregate surfaces. Remove any dust with a vacuum.
6. Lock in the dye with Sikafloor®-956 Formula One™ LD RTU or Sikafloor®-957 Formula One™ SSD. Consult the most current Sikafloor®-956 Formula One™ LD RTU or Sikafloor®-957 Formula One™ SSD local Product Data Sheet for complete Application Instructions.
7. Proceed to polish from 400-grit up to 3000-grit if desired.
8. After completing the application of Sikafloor®-956 Formula One™ LD RTU or Sikafloor®-957 Formula One™ SSD and the optional polishing step, prepare for the application of Sikafloor®-958 Formula One™ Finish Coat or Sikafloor®-959 Formula One™ Guard W.

Consult the most current Sikafloor®-958 Formula One™ Finish Coat or Sikafloor®-959 Formula One™ Guard W local Product Data Sheet for complete Application Instructions.

## Vertical Applications

Apply with an acetone-resistant garden sprayer consistently from the bottom up or the top down. Brush out drips immediately. Allow to dry at least 2 hours before application of sealer systems or vertical polishing.

## CLEANING OF TOOLS

Clean tools and equipment with acetone.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## 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](http://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**

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