

## PRODUCT DATA SHEET

# SCOFIELD® SelectSeal™ Plus

A high-solids, low-odor, self-crosslinking, urethane fortified acrylic sealer designed to protect interior or exterior bare or previously stained concrete.

### PRODUCT DESCRIPTION

SCOFIELD® SelectSeal™ Plus is a high-solids, low-odor, self-crosslinking, urethane fortified acrylic sealer designed to protect interior or exterior bare or colored concrete. It is an excellent sealer to use over LITHOCHROME® Tintura™ Stain, LITHOCHROME® Chemstain® Classic, LITHOCHROME® Color Hardener, SCOFIELD® Texturetop®, SCOFIELD® Revive™ Exterior Concrete Stain, or SCOFIELD® Formula One™ Liquid Dye Concentrate.

SCOFIELD® SelectSeal™ Plus utilizes unique proprietary waterborne technology that provides superior wet slip resistance while forming a tough stain and abrasion-resistant gloss finish that is superior to most solvent-based sealers. It can be tinted to deliver a multitude of translucent colored effects, and can be used to create floors compliant to various ANSI, ASTM, NFSI, and UL traction standards.

SCOFIELD Selectseal Plus can be applied by traditional, foam, or microfiber, applicators, as well as by conventional, air-assisted, airless, or HVLP spray equipment. It can be applied over a wide range of temperature and humidity conditions without cracking, crazing, frosting, or gumming.

### USES

- Ideal for food courts, pools, entry and walkways.
- Seals in color of antiquing stamp releases and stains.
- Abrasion resistant topcoat over stains, and dyes.
- As a concrete curing compound to reduce spider cracking and efflorescence.
- Prevents dusting of new or aging concrete.

### CHARACTERISTICS / ADVANTAGES

- High-solids, low odor water based formulation.
- Enhances concrete and chemical stain colors.
- Self-Crosslinking resin system delivers superior stain, abrasion, and chemical resistance.
- Exterior durable and UV light stable.
- Apply by brush, roller, or spray.
- Can be thinned for use as a clear primer.
- Will not gum or spider-web in hot conditions.

### APPROVALS / STANDARDS

SCOFIELD® SelectSeal™ Plus can be used to make floors that exceed the Underwriters Laboratories Safety Standard UL 410, "Slip Resistance of Floor Surface Materials."



Meets the moisture retention requirements of ASTM C309 Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.

### PRODUCT INFORMATION

<b>Chemical Base</b>	Urethane fortified self-crosslinking acrylic copolymer, 30% solids
<b>Packaging</b>	1-gallon (3.8L) cans or 5-gallon (19L) pails.
<b>Appearance / Color</b>	SCOFIELD® SelectSeal™ Plus is a clear semi-gloss coating that will increase in gloss as subsequent coats are applied. It can be tinted with up to 4 oz. per gallon of approved colorant or Scofield Tintura tint cups to make a multitude of colors at various levels of opacity.
<b>Shelf Life</b>	2 years shelf life from date of manufacture.
<b>Storage Conditions</b>	Store at 40°F to 120°F (4°C - 49°C). DO NOT FREEZE!

## APPLICATION INSTRUCTIONS

If using spray equipment, always wear protective respirator, and mask adjacent areas to protect property from overspray. Dried material will be difficult to remove. Remove overspray immediately with hot water and detergent.

### Coverage Rates

Coverage will depend upon thinning, method of application, surface porosity, and the texture of the substrate. Full strength prime-coat coverage on flat finished concrete is typically 300–400 ft<sup>2</sup>/gal (7.4–9.8 m<sup>2</sup>/L), and will yield a dry film thickness of 1.3–1.1 mils. Thinned with 1 pint of water per gallon, prime coat coverage is typically 450 ft<sup>2</sup>/gal, and will yield a dry film thickness of 0.85 mils. Porous, broom or textured finishes will require more sealer. As a topcoat or for second coat application, coverage of 600–800 ft<sup>2</sup>/gal (14.8–19.6 m<sup>2</sup>/L) is typical.

### Equipment

Apply SCOFIELD® SelectSeal™ Plus by brush, roller, HVLP, airless, or pump-spray/back-roll application. Always wear protective clothing, goggles, gloves, and particulate respirators. Clean equipment with warm water and detergent immediately after application.

### Spray Applicator Guidelines:

Pump Garden Sprayer: Use conical tip.  
 Airless spray: 1500–2500 psi (10–17 MPa) fitted with a fan tip of 0.013–0.015 inches (0.33–0.38 mm).  
 HVLP spray: 5–40 psi (35–275 KPa) 1.3–1.5mm tip

## SURFACE PREPARATION

### When used as a Curing Compound

Apply SCOFIELD® SelectSeal™ Plus when concrete is walkable and all bleed water has either reabsorbed into the concrete or evaporated.

### When used as a Sealer or Dust Proofer

When used on fully cured concrete, surfaces must be dry and clean of all prior sealers, curing compound, oils, or other foreign materials that might prevent penetration or adhesion. If applying directly to cured concrete, maximize adhesion by first creating a Concrete Surface Profile (CSP) of 1, as determined by the International

Concrete Repair Institute, (ICRI) , Alexandria, VA. Grind, acid etch, power wash, or scrub surfaces with stiff bristle brushes and strong detergents to remove these undesired materials and any loose concrete laitance that may harm adhesion. Always rinse older concrete surfaces and allow them to completely dry prior to application.

If used over solvent based stain, stain should be allowed to cure a minimum of 12 hours to allow solvents to evaporate.

If used over chemical stain, or surfaces acid etched, the surface must be neutralized and rinsed thoroughly prior to application. Failure to do so can cause product temporarily blush white before drying clear.

### Mixing and Thinning

SCOFIELD® SelectSeal™ Plus is iridescent white and will look like a heavy cream. Mix until it is of uniform consistency and appearance prior to use. If tinting, add tint material and mix again until uniform. To increase penetration into acid stained or sandblasted concrete, SCOFIELD® SelectSeal™ Plus may be thinned with up to 1 pint of water per gallon of material.

### Jobsite Test Sections

Verify and approve suitability and appearance by making jobsite test sections prior to general application. Each individual concrete color, finishing technique, and sealer combination should be verified. Test sections must be of adequate size to be representative and be produced by the same workers who will apply product to the larger job. Test completed systems for wet and dry slip resistance to ensure they are safe. Do not proceed with products, techniques, or finishing systems that do not meet required safety specifications or site owner approval.

### Application

Mask all areas not to be coated to safeguard against splashes, overspray, and runoff from application. Wear all required safety equipment. Take care not to allow tape adhesive to interfere with surfaces to be coated. Product may appear lighter in color until dry.

Distribute product with a pump garden sprayer fitted with a conical tip, followed by back rolling with a quality 3/8" nap roller. Roll in multiple directions to ensure product penetrates into concrete cracks, joints, and pores. Take care not to create lap marks as they cannot be removed once the product has dried.

**Dry times** will depend upon the selected coverage rate, penetration into the substrate, and weather conditions. At 70°F (21°C) and 50 % relative humidity with an application rate of 400 sq. ft. per gallon (10 m<sup>2</sup>/L), dry to touch and recoat times of 1–2 hours are expected. Avoid foot-traffic for a minimum of 12 hours, and hard wheel traffic for 72 hours after final application.

#### **Cleaning of Equipment**

Clean equipment with warm water and detergent immediately after application.

## **MAINTENANCE**

If used as a concrete curing compound, a second coat of SCOFIELD® SelectSeal™ Plus should be applied after 28 days to maximize stain resistant properties.

## **AVAILABILITY/WARRANTY**

#### **Availability**

SCOFIELD® SelectSeal™ Plus is marketed internationally through strategically located dealers, and representatives. Scofield offers a complete line of engineered systems for coloring, texturing, and improving performance of architectural concrete. These include coloring admixtures, color hardeners, colored cementitious toppings, stains, curing compounds, sealers, coatings, repair products and texturing tools. Visit the Scofield website at [www.scofield.com](http://www.scofield.com) for further information.

## **LIMITATIONS**

**SCOFIELD® SelectSeal™ Plus is not designed for immersion service, or for use on surfaces subjected to hydrostatic pressure.** Use only on concrete that is above grade or on ground that is well-drained. Do not use on concrete slabs placed on damp ground, or on concrete that will be constantly exposed to moisture.

Do not apply when air or surface temperatures are below 45 °F (7 °C), or rain, dew, or surface condensation is expected within 4 hours of application. **Do not allow material to puddle or build-up in cracks or joints during application.** Tint only with Tintura™ Part A tint cups.

**If used over Chemical Stains or Acid Etched Concrete** SCOFIELD® SelectSeal™ Plus may initially turn white, and then dry clear and hard when used on surfaces that have been acid stained or etched and not rinsed well. This whitening may be avoided by rinsing etched surfaces well, and by thinning the prime coat with 1 pint of water per gallon.

## **BASIS OF PRODUCT DATA**

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

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**Product Data Sheet**  
SCOFIELD® SelectSeal™ Plus  
March 2020, Version 01.02  
020303010020000079

## **OTHER RESTRICTIONS**

See Legal Disclaimer.

## **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. VOC = 91 g/L

## **LEGAL DISCLAIMER**

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

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