

Technical Data Sheet

DIY Seal SB

DesigncreteDIY introduces DIY Seal SB, a premium quality, solvent-based sealer specially designed for decorative concrete projects. DIY Seal SB contains a tough acrylic methacrylate blended polymer that produces coatings with outstanding gloss and stain resistance, making them easy to clean. Adhesion to properly prepared concrete surfaces is excellent, and the material is non-yellowing. For maximum color protection, the sealer is fortified with a dual functioning HALS + UV absorber additive. DIY Seal SB also contains a multifunctional silane additive to protect from salt, chlorine, and chemical attacks while promoting adhesion and crosslinking.

Coverage Rate

With a coverage of 100-200 square feet per gallon, the coverage may vary depending on the concrete surface's porosity and the amount of material applied. The drying time for the sealer is 15-40 minutes dry to touch, 30-40 minutes for recoat, 3 hours for light foot traffic, and 48-72 hours for heavy traffic. Dry times are based on 75-degree (F) temperatures and medium humidity, and lower temperatures will result in slower drying and curing times. The sealer should not be applied if rain is expected within 3 - 6 hours.

The physical and performance properties of DIY Seal SB are as follows:

- Solids Content, by Weight (ASTM D2369) - 28%
- Volatile Organic Compounds (non-exempt) - 396 grams/liter
- 60 Degree Gloss (ASTM D522) - 98%
- Pencil Hardness (ASTM D3363) - 4H
- Flexibility (ASTM D522) - >33% elongation
- Impact Resistance (ASTM D2794) - 42 inch-lb
- Abrasion Resistance (ASTM D4060) - Wear index = 247

To prepare the concrete surface for sealing, it must be clean and free of dirt, dust, oil, grease, mold and mildew, and any other contaminants. Acid stained concrete must be neutralized, thoroughly cleaned, and dry prior to sealing. Pigment stained concrete must be completely cured prior to sealing. All new concrete should be allowed to cure for a minimum of 28-45 days, or until a pH reading of 10.5 or less is achieved. The surface of the concrete must be completely dry before the sealer application, and a surface probe moisture meter is recommended to verify the surface is dry. After visually determining the concrete is dry, a minimum of 10 different areas of the concrete must be tested with the moisture meter. Pay special attention to cracks, control joints, and slab edges.

The application tools required for DIY Seal SB include pump sprayer, airless sprayer, or roller & brush. . TrueSeal Thinner can also be used to prepare the material for spray application. Add 1-2 quarts of TrueSeal Thinner per 1 gallon of sealer, based on thickness of coating desired.

The preferred method for application is spraying, but if rolling, the material must be worked into a wet edge, and excessive back rolling should be avoided. When applying two coats, roll the second coat perpendicular to the first.

DIY Seal SB can be cleaned with TrueSeal Thinner. Do not allow the product to freeze, and the shelf life of unopened product is approximately one year. Keep away from heat, sparks, and flame. Vapors may cause fire. It is strongly advised to use appropriate safety equipment, including goggles, face shield