

# SCT 10, 20, 30, 50



## Description

**SCT** is a one component ACRYLIC solvent based sealer. It exhibits an excellent appearance, is UV stable, and has a good resistance to certain chemicals. SCT is available in three solids contents: 10, 20, 30, and 50% by weight. The product is designed to penetrate and seal porous mineral surfaces such as concrete and masonry. It can also be used as a membrane for freshly cured concrete.

## Primary applications

- ✓ Paving Stones
- ✓ Stamped concrete
- ✓ Top coats on outer vinyl flake coatings (SCT 50)
- ✓ Sidewalks
- ✓ Bridges
- ✓ Garages and parking lots
- ✓ Exposed aggregates
- ✓ Walls
- ✓ Concrete
- ✓ Bricks and silica stones

## Advantages

- ✓ Dense surface resistant to bacteria and moisture and easy to clean
- ✓ Cuts the spread of dust from the concrete
- ✓ Reduce penetration of chloride ions (salts used to melt ice)
- ✓ May be applied on horizontal or vertical surfaces
- ✓ Creates a continuous clear film resistant to yellowing
- ✓ Fast dry time when applied in thin film (4-6 mils), with a recoat period of 1 hour
- ✓ May apply several layers on itself with excellent adhesion
- ✓ Excellent adhesive properties, allowing for application on a wide variety of substrates
- ✓ Anti-dust, stain and water repellent
- ✓ One component

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## TECHNICAL DATA

Packaging litres / gal us		Shelf Life				
3.78/ 1		18.9 / 5				
Recommended Thickness		12 months in original unopened factory sealed container. Keep away from extreme cold, heat, or moisture. Keep out of direct sunlight and away from fire hazards.				
4-8 mils (200-400 ft <sup>2</sup> )						
Color: during application / dry						
clear transparent						
<i>*Please note that the indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage.</i>						
<i>*Note: Times and data mentioned are based on laboratory conditions. Field results may vary and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.</i>						
PROPERTIES @ 23°C (73°F) 50% R.H.						
Solids by weight %		Finish	VOC (g/litre)			
SCT 10	10%	Mat	10% - 815	20% - 749		
SCT 20	20%	Pearl	30% - 684	50% - 594		
SCT 30	30%	Gloss	Recommended Thinner			
SCT 50	50%	Glaze	SCT-0001			
Pedestrian Traffic		6 - 8 hours	Density (kg/L)	0.88 – 0.96	Viscosity	110 – 140 cps
Normal Traffic		12 – 24 hours	Hardness (Shore D), ASTM D2240		75 - 85	
Heavy Equipment		24 hours	Elongation %, ASTM D638		4 - 6	
Tensile Strength (psi) ASTM D638		6500-7600	Water absorption (%), ASTM D570		0.2	
Abrasion Resistance (CS17/1000 cycles/1000 g) ASTM D4060		0.05	Bond Strength (psi), ASTM D4541		>300 (substrate ruptures)	

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## APPLICATION

### **Existing Concrete or Paving Stones (more than 30 days)**

The surface to be coated must be clean. Remove dust, dirt, oils and greases, tire mark, and any remaining coating that is incompatible with the SCT. Once the surface is thoroughly cleaned and dry, apply the first coat of SCT with a roller, brush or sprayer at the suggested yield and repeat for the second coat if necessary.

### **New concrete (concrete with a minimum of 7 days of curing)**

The surface to be coated must be clean. Remove dust, dirt, oils and greases, tire mark, and any remaining coating that is incompatible with the SCT. Once the surface is thoroughly cleaned and dry, apply the first coat of SCT with a roller, brush or low pressure sprayer at the suggested yield and repeat for the second coat if necessary.

## CLEANING

Clean all application equipment with the recommended cleaner (SCT-0001). Once the product has hardened, it can only be removed by mechanical means. In case of skin contact, wash thoroughly with warm soapy water.

## RESTRICTIONS

- ✓ Do not apply at temperatures below 10 °C / 50 °F or above 30 °C / 86 °F
- ✓ The relative humidity of the surrounding work environment during the application of the coating and throughout the curing process should not exceed 85%
- ✓ Substrate temperature must be 3 °C (5.5 °F) above dew point measured
- ✓ Humidity content of substrate must be <4% when coating is applied
- ✓ Do not apply on porous surfaces where a transfer of humidity may occur during the application
- ✓ The application of this coating on an interior or exterior substrate without a moisture barrier is at risk of detachment (by hydrostatic pressure).
- ✓ Protect the coating from all sources of moisture for a period of 48 hours
- ✓ Surface may discolor in areas exposed to regular ultraviolet light

## HEALTH AND SAFETY

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Predict suitable ventilation. Consult the material safety data sheet for further information.

## IMPORTANT NOTICE

The information and recommendations contained in this document are based on reliable test results according to CTM Coatings. The data mentioned are specific to the material indicated. If used in combination with other materials, the results may be different. It is the responsibility of the user to validate the information therein and to test the product before using it. CTM Coatings assumes no legal responsibility for the results obtained in such cases. CTM Coatings assumes no legal responsibility for any direct, indirect, consequential, economic or any other damages except to replace the product or to reimbursement the purchase price, as set out in the purchase contract.