

westcoat[®]

PRODUCT SPECIFICATION

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

SC-20 Sodium Silicate

Description

SC-20 Sodium Silicate is an easy to apply, ready to use curing compound. Concrete that is treated with Sodium Silicate develops greater strength. Sodium Silicate will react with the concrete's free lime and calcium carbonate filling, sealing the capillaries and voids making a dense hard surface, which will minimize any future dusting and will allow resilient mastics and coatings to adhere securely.

Uses

Sodium Silicate is suited for maintenance areas, driveways, parking lots and most fresh concrete applications. It is recommended for use when grinding and polishing concrete. Sodium Silicate is also excellent for older concrete to help dust proof, harden and make slabs more abrasion resistant.

Advantages

Increases Useful Life of Concrete Structures • Low Cost Concrete Treatment • Easy to Handle and Apply • Reduces Porosity and Permeability • Increases Chemical Resistance • Penetrates to Provide Long Term Performance • Greatly Increases Water Resistance • Concrete Stays Natural Looking • Indoor/Outdoor Application • Allows Concrete to Breathe • May be Polished with a Buffing Machine in Order to Achieve a High Sheen, Glassy Look

Product Data			
Packaging	5 gal pail	Colors	Clear
Coverages	~200-400 ft ² /gal	Mix Ratio	N/A - Stir prior to use
VOC Content	<100 gm/l	Shelf Life	3 years in unopened packaging

Inspection

Surfaces must be structurally sound. The surface must be dry and free of oil, grease, curing agents, dirt, dust or other foreign material that may prevent proper adhesion.

Moisture

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 5 lbs/1000 square feet (ASTM F1869) or if the relative humidity (RH) exceeds 75% (ASTM F2170), contact the manufacturer before application.

Preparation

For a new interior slab, SC-20 can be applied on a new slab with minimal prep. A slab with no foreign material can be prepped with a nylogrit brush. Carefully sweep and vacuum to prepare surface.

For an old slab, remove any material that will interfere with the reaction process. This is typically done with high-pressure water or by mechanical means (grinding, blasting, etc).

Mixing

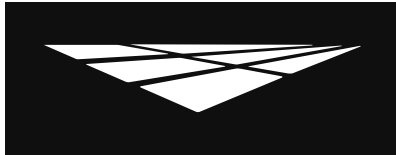
Stir prior to use.

DISCLAIMER: PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.



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800-250-4519 • Fax 619-255-7187 • westcoat.com

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Thinning

Thinning is not recommended.

Coverage

Will vary depending on the surface. Up to 400 square feet per gallon on a smooth surface and between 200-300 square feet per gallon on a rough surface. Test area to determine coverage and whether or not a second coat is desired.

Applying Product

Sodium Silicate should be applied with spray equipment at a rate of 150-400 square feet per gallon. Do not allow material to puddle. Broom in excess material. Prevent all traffic until product is completely dried. Apply 1-3 coats depending on the desired effect.

Caution: This product will etch glass and aluminum. Wash off immediately with liberal amounts of water. May leave residue where moisture is present. If excess material is applied, it may crystallize. Should this occur, use a brush and water to remove. Do not use on colored concrete.

Dry Time

Dry time will vary depending on use (30 minutes to 24 hours).

Clean Up

Uncured material should be removed with soap and water. Cured material should be removed mechanically.

Limitations

- This product is designed for professional use only.
- Do not apply at temperatures below 55°F or above 95°F.
- Protect surrounding areas from material.
- This product will etch glass and aluminum.
- Do not apply if rain is forecasted within 48 hours or heavy dew within 24 hours.
- Do not allow any Westcoat products to freeze.

Health Precautions

Inhalation of vapor or mist can cause headache, nausea, irritation of nose, throat and lungs. Prolonged or repeated skin contact can cause slight skin irritation. Avoid contact with skin and wear protective gloves and eye protection.

Physical Properties

Chemical Composition	Water-Based Polyurethane
Solids %/wt	11.89
Weight / Gal (lbs)	9.147
VOC gm/l	0
Shelf Life	3 years

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