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**H&C<sup>®</sup> SX-7**

**SILOXANE WATER REPELLANT**

**PRODUCT DESCRIPTION**

H&C<sup>®</sup> SX-7 is a proprietary 7% Siloxane water repellent that does not require dilution. SX-7 will not impair the natural breathing characteristics of treated surfaces. SX-7 helps concrete and masonry surfaces resist cracking, spalling, staining and other damage related to water intrusion. Low odor and alkaline stable, SX-7 is ideal for field and in-plant application.

**Features:**

- No masking or cleaning of windows
- Penetrates deeply for long-lasting protection on vertical or horizontal surfaces.
- Treated surfaces “breathe”-does not trap moisture.
- Low odor for safe installation to occupied buildings.
- No change to traction or skid resistance
- No color change to substrate
- Dries quickly
- Complies with all known national, state and district VOC regulations

**Limitations:**

- Won't keep water out of cracks, defects or open joints.
- Not recommended for below-grade application.
- Not suitable for application to gypsum or other nonmasonry surfaces.

**Recommended uses:**

- Cast-in-place and precast concrete
- Exposed aggregate
- Brick and mortar
- Stucco and sandstone
- Architectural Concrete Block\*

*\*Lightweight Split Faced block may require a film forming product due to it's extreme porosity.*

**CHARACTERISTICS**

<b>Color:</b>	<b>Clear</b>
<b>Coverage</b>	<b>sq ft/gal</b>
Smooth precast concrete	125 - 175
Cast-in-Place	100 - 150
Precast Concrete	125-150
Exposed Aggregate	100-150
Split face block (CMU)	50 - 75
Fluted Block	50 - 75
Brick (Clay)	100 - 150
Stucco	100 - 150
Sandstone	75 - 125
Steel trowelled concrete	150 - 200

**Coverage will vary depending on the porosity and texture of the substrate**

**Drying Time, @ 77°F, 50% RH:**

temperature and humidity dependent	
To touch:	1 hour
Light traffic:	2 hours
Heavy traffic:	72 hours

\*NOTE: High humidity and /or low temperatures will affect drying time.

**Flash Point:** N/A

**Finish:** Matte

**Vehicle Type:** Siloxane

**VOC (less exempt solvents):**

0 g/L

**Active Content:** 7%

\*NOTE: Active content is a calculated value based on weight percent of siloxane in the total formulation. Some active content will be consumed upon reaction with the substrate.

ASTM D 5095 - Standard test method used to determine nonvolatile content in reactive masonry water repellants - this test adds a catalyst to the water repellent to measure total solid. After testing, total solids for this product is approximately 4%.

**SURFACE PREPARATION**

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

**Testing:** Due to the wide variety of substrates, preparation methods, application methods and environments, the customer should test the product in an inconspicuous spot for penetration and compatibility **prior to full scale application.**

**Bare Concrete:**

New concrete must be cured a minimum of 28 days. Use a wet burlap cure. Other curing compounds may not be compatible. Tuckpointing must cure a minimum of 3 days and caulking should be fully cured before application. Concrete surfaces should be clean, free of dirt, oil, grease and other contaminants. New concrete surfaces may only require sweeping, however, if construction traffic has been excessive, washing with 2,000 psi pressure cold water may be necessary. On older concrete surfaces; sandblasting, shot blasting or high-pressure cold water may be used. Chemical cleaning or high-pressure hot water may also be used. Rinse thoroughly after chemical cleaning. The surface pores must be opened up sufficiently to allow immediate penetration of H&C<sup>®</sup> SX-7. A good test is to place a few drops of H&C<sup>®</sup> SX-7 onto the clean surface. H&C<sup>®</sup> SX-7 should be immediately absorbed into the surface. **Substrate should have a pH between 6-10.**



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## SILOXANE WATER REPELLANT

### APPLICATION

Before application, the surface should be completely dry. Allow at least 24 hours with sunshine for drying, if surface was wet. Do not apply below 40°F (4°C) or above 95°F (35°C). If freezing conditions exist before application, let masonry thaw. The water carrier may freeze at low temperatures or evaporate in hot conditions. Both conditions impair penetration and results. Do not apply if rain is expected within 3 hours. Do not apply during windy conditions. Do not dilute or alter this product. Apply H&C<sup>®</sup> SX-7 with low-pressure spray equipment (15 psi), roller or broom. Use a fan type spray nozzle for greatest efficiency. Avoid atomization of material. **On vertical surfaces**, apply the material from the bottom of the wall upwards spraying so that it will run down the surface at least six inches below the spray pattern. On rough porous surfaces allow material to penetrate 5-10 minutes then recoat. Less material will be needed for the second application. **On horizontal surfaces**, saturate in a single application. Use enough material to keep the surface wet for 2-3 minutes before penetration. Broom or Back roll out any puddles until excess material soaks into the surface. Dense surfaces will only require a single application. Use enough to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Test for application rate.

Typically, the surface can be reopened to traffic in one hour, if the temperature is at 72°F (22°C) or above. Surface should be visibly dry. SX-7 gains water-repellent properties in 72 hours.

### LIMITATIONS

Apply only between 40°F -95°F (4°C-35°C). Do not apply to a damp or wet surface. Cover and protect all grass, shrubs, plants, etc. from overspray. Do not apply to surfaces intended for painting later. Some cementitious coatings, plaster, stucco, etc., may not adhere well to treated surfaces. Install these materials first and let them dry before application of H&C<sup>®</sup> SX-7. The shelf life for an unopened container is three years. Keep containers tightly sealed when not in use. Shelf life after opening is one year. Store in a dry location where product will not freeze. Not for use on cinder block due to porosity issues.

### WARNING

- Use with adequate ventilation
- Keep out of the reach of children
- Use a NOISH approved respirator, when necessary
- Do not take internally
- In case of ingestion, CALL A PHYSICIAN immediately. DO NOT induce vomiting

If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. CALL A PHYSICIAN immediately. May cause irritation to the skin. If brought into contact with the skin, wash thoroughly with soap and water. Seek medical attention if redness or irritation occurs. Avoid breathing vapors and spray mist. Reseal container after each use. Wear protective clothing, gloves, and goggles. Read MSDS before using product.

### CLEANUP INFORMATION

Tools and equipment: Clean sprayer and tools with warm soapy water immediately following application.

### ORDERING INFORMATION

#### **Part Numbers**

Five 50.044055-20

#### **SMIS**

Five 165-0571

### TECHNICAL SERVICES

1-800-TO STAIN(867-8246)  
www.hc-concrete.com

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of H&C concrete coatings and The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your H&C or Sherwin-Williams representative to obtain the most recent Product Data sheet.