**PRODUCT CHARACTERISTICS**
SCP 578 stabilizes the chemistry of concrete, which is constantly influenced by environmental conditions that contribute to durability issues such as carbonation and/or efflorescence. Spray-applied, SCP 578 penetrates into concrete capillaries and pores, reacts with free alkali in the concrete, and forms a gel in the capillaries and pores to waterproof and protect the concrete. This results in waterproofed concrete that has been tested to withstand over 250 feet of Head Pressure (75 meters). This post-placement pozzolan enhances the resistance to contaminants that contribute to short and long-term concrete deterioration.

Depending on the concrete porosity, slabs can be accessed in as little as 1 hour after SCP 578 application. Therefore, SCP Technology contributes to fast-track construction.

Because SCP 578 does not change the surface characteristics of concrete substrates, coatings and coverings can typically be applied in as little as 24 hours. The gel formation ensures that capillaries are constricted or blocked – permanently – thus turning the concrete surface into a suitable substrate that prevents pinholes in common surface coatings.

SCP 578 is non-flammable, and easy and safe to apply. Since it has a zero VOC content, it helps eliminate air quality management issues in interior construction sites.

Spray-Lock Concrete Protection Technology is unique with over 30 years proven performance.

**INSTALLATION ADVANTAGES**
- Allows foot traffic in 1 hour for most flatwork.
  - Up to 3 hours for really dense concrete and/or extremely high moisture conditions
- Ready to accept coatings and/or coverings in as little as 24 hours on existing concrete
- Can purge and/or encapsulate contaminants in concrete
- 0.0 g/ml VOC content
- Water-based
- Non-flammable
- Non-toxic
- Odorless

**PRODUCT BENEFITS**
- Rejuvenates concrete capillary & pore structure
- Waterproofs existing non-coated concrete
- Accepts all coatings or coverings
- Enhances resistance to chemical & environmental attack
- Permanent protection
- Access slabs in as little as 1 hour
- Increases durability
- Saves time & money
- Non-flammable
- Zero VOC content
- Safe & easy to apply
**Description:** SCP 578 is a spray-applied, penetrating Portland cement concrete treatment. It provides benefits that include: waterproofing, densification and surface hardening, resistance to salt and chemical attack, and freeze-thaw damage.

**Where to use:** SCP 578 may be applied on any Portland cement concrete element that requires superior protection. These include, but are not limited to: • Precast Structures • Parking Decks & Ramps • Bridge Substructures & Superstructures • Mechanical Rooms • Roof Decks • Architectural Concrete.

**Packaging & Storage:** SCP 578 is packaged in 5-gallon pails, 20-liter pails and 330-gallon totes. Product shall ideally be stored in a location that is dry and between 35° to 100°F (2° to 38°C) ambient temperature. Optimal storage is at the middle of the temperature range. Protect from freezing. 5-year shelf life under proper storage conditions.

**Surface Preparation:**
1. Do not apply on frozen substrate or when temperature can fall below 32°F (0°C) within 24 hours of application.
2. Curing membranes, wax, paint, or foreign deposits of any kind restricting access to concrete’s internal pore structure must be mechanically removed for SCP 578 to penetrate (i.e.- surface grinding, shot blasting, bush hammering, etc.).
3. Test porosity by applying 1ml of clean water on the surface. Water should absorb within 1½ - 3 minutes. If unsure, contact SCP representative for guidance.
4. Sweep and/or vacuum the surface thoroughly prior to application. Note: It is very important to contact SCP for job specific advice regarding correct application before commencing use of this product.

**Application:**
1. Use a low to medium pressure sprayer complete with an extension wand and 0.019 - 0.031 inch (0.48-0.79 mm) fan tip spray jet. Hold wand and spray 6 inches (15 cm) from the surface of the substrate at a 90° angle.

**NOTES:**
• Use of a dust mask or screen while applying the product is recommended.
• Do not allow excess product to dry on the surface before leaving the site. Remove any excess by brooming.
• Areas of high porosity have a faster absorption rate and may dry immediately after spraying. It is important that the product is applied to achieve surface saturation. For slabs, it should appear as total flooding (swimming pool effect) over the entire surface with a thickness of approximately 1/16 inch (1.5mm). Frequently check coverage rates. Surface saturation should hold that appearance for approximately 15 minutes. If absorption continues to be excessive, contact the SCP representative.
• If applying coatings and/or coverings, wait a minimum of 24 hours from the time of final application of SCP 578 for existing concrete. Then lightly sand and thoroughly vacuum the surface to remove any contaminants that may be on the surface. Do not flush with water as mechanical removal allows faster access to the surface.
• Like fresh concrete itself and other alkaline materials, SCP 578 may etch glass, shiny aluminum, and brass if left to dry on the surface. Simply remove while wet.
• If considering application of this product over precast concrete products, contact SCP before use as precast concrete products vary widely in porosity and construction.
• Application rates and methods differ when applying overhead and vertically. Contact SCP for additional information.
• DO NOT apply on frozen substrate or when temperature can fall below freezing.
• DO NOT apply when substrate is 90˚F (32˚C) or higher. If surface temperature is higher than 90˚F (32˚C) then pre-wetting with water is required. Be sure to remove any puddles before applying of SCP.

**Technical Data:**
- **Color:** Cloudy white (dries clear)
- **Odor:** None
- **Specific Gravity:** 1.10
- **pH:** +/- 11.5
- **Flammability:** 0 (non-flammable)
- **Toxicity:** None
- **VOC/VOS Content:** 0.0 g/ml
- **Surface Bond Quality:** 100% of Untreated Concrete
- **Paintability:** 100% of Untreated Concrete
- **Clean-up Solvent:** Water
- **Environmental Impact:** None/Neutral
- **User Status:** Friendly

**Coverage Guide**

<table>
<thead>
<tr>
<th>SCP 578</th>
<th>Coverage* Guide</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>150 - 190 ft² per 1 gallon</td>
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<tr>
<td></td>
<td>3.5 - 4.5 m² per 1 liter</td>
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* Coverage rates are a guide and figures may increase or decrease depending on the porosity of the concrete and spray technique.

For more information, please visit: www.concreteprotection.com

3/22/2018