

SCP 743



PRODUCT CHARACTERISTICS:

SCP 743 is a spray-applied, penetrating treatment for high performance Portland cement concrete. Treatment benefits include: waterproofing, densification and surface hardening, resistance to salt and chemical attack, and freeze-thaw damage. A single treatment of SCP 743 increases durability and provides permanent protection, reducing recurring maintenance, saving time and money.

This one-time application treatment is specifically engineered to penetrate into the capillaries and pores of low permeability concrete structures to condition the concrete. Once there, SCP 743 reacts with available alkali to primarily form Calcium Silicate Hydrate (C-S-H).

Treated concrete has been tested to withstand over 250 feet of Head Pressure (75 meters). Depending on the mix design, SCP 743 has the potential to purge and/or encapsulate contaminants within the concrete capillary and pore structure, effectively removing their contribution to reinforced concrete distress.

SCP 743 technology addresses concrete durability issues such as de-icing chemicals and freeze-thaw damage, concrete contamination, concrete permeability, moisture migration, and concrete carbonation.

With over 40 years of industry proven performance, SCP technology is your solution to better concrete.

Learn more at www.concreteprotection.com

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

IMPORTANT: Product MUST be applied using an overlapping spray pattern of 50% on the previous run.

2. For slab applications, product should hold a flooded appearance (swimming pool effect) for approximately 15 minutes. There are inherent variations in concrete density; some areas will absorb faster than others.



If any area absorbs product within 15 minutes of application, the product will need to be reapplied until absorption occurs in no less than 15 minutes. This is called spraying to the "point of rejection."

- If an area is re-applied more than 3 times, contact the SCP Technical department for additional information.
 - If product has absorbed thoroughly in the majority of the area, but there is pooling in the low areas, use a broom to spread additional product into the areas already penetrated. *Do not allow product to dry in pools.* Remove excess.
 - To prevent slip and fall hazards, close off treated area to foot traffic for at least one hour after application.
 - In the event of product drying on the surface, lightly and quickly sand the entire surface to remove any of the dried product. Remove dust with broom or vacuum.
3. For vertical and overhead applications, work from lowest to highest elevation. Very light and repeated spray passes should be made on the same area until the concrete surface no longer accepts product. Move on to next area after achieving "point of rejection."

NOTES:

Curing membranes, wax, paint, or foreign deposits of any kind restricting access to concrete's internal pore structure must be mechanically removed for SCP 743 to penetrate (e.g., surface grinding, shot blasting, bush hammering, etc.).

Like fresh concrete itself and other alkaline materials, SCP 743 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 the SCP Technical department before use as precast concrete products vary widely in porosity and construction.

Application rates and methods differ when applying overhead and vertically. Contact the SCP Technical department for additional information.

DO NOT apply on frozen substrate or when temperature is near 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 application.

Joints, cracks, and penetrations should be addressed separately as part of the waterproofing plan.

Packaging/Storage: SCP 743 is packaged in 5-gallon pails, 20-liter pails, and multi-gallon totes. Product shall ideally be stored in a location that is dry and between 35°-100°F (2°-38°C) ambient temperature. Optimal storage is at the middle of the temperature range. Protect from freezing and direct sunlight. 5-year shelf life under proper storage conditions.

General Information: For safe handling information on this product, see the Safety Data Sheet (SDS).

Warranty: See Spray-Lock Concrete Protection Materials Warranty.



Color: Translucent Blue

Odor: None

Specific Gravity: 1.10

pH: 11.5 +/-

Flammability: 0 (non-flammable)

VOC/VOS Content: 0.0 g/ml

Clean-up Solvent: Water

Environmental Impact: None/
Neutral

User Status: Friendly

Coverage Rate*: 110-150 ft²
per gallon (2.7-3.7 m² per liter)