

## Concrete Seals & Protective Coatings

### The Benefits of Using the Right Seal

The appearance of your floor conveys how well you keep your facility maintained. A floor that is sealed properly can easily be maintained to keep the appearance that you desire.

Floors are sealed for two basic reasons. First, a floor is sealed to protect the surface from being stained from spills that come from a variety of sources or by traffic. The more porous the surface is the harder it is to keep clean. By introducing a seal to the surface, we are "blocking" the pores from being filled with dirt, grease or other sources of staining. This can be accomplished using an "impregnating" seal or a "topical" seal (explained below)

Second, a floor is sealed to change or enhance the appearance of the floor. When sealing a floor with a topical seal you penetrate the surface, as well as leave a coating on top of the surface itself. Therefore, you have the ability to alter the appearance of the floor. You can control how glossy or flat the appearance of the floor will be. You can control how much slip resistance you would like to have built into the coating. Through the use of pigments you can choose the color of the coating. You can control how "deep" a seal will penetrate a floor and thus "deepen" or enhance the natural color of the surface. These effects are accomplished through the use of both water based and solvent based topical seals.



### What's the difference between an Impregnating and a Topical Seal?

#### "Impregnating" Seals

An impregnating seal is a product that is designed to seal the "pores" of the surface without forming a topical coating. Therefore, the surface is able to maintain its original "natural" appearance. The seal is actually absorbed and locked into the substrate. Because of this, liquids and soils are "blocked" from penetrating and make the surface much easier to clean and maintain.

#### "Topical" Seals

Topical seals are products that penetrate and leave an actual coating on top of the surface to which they are applied. This type of seal is designed to change the appearance of the surface to which they are applied. They can vary from high gloss to virtually no gloss, from clear to tinted in a wide variety of colors, from safely smooth to having slip resistant additives to improve traction under foot or equipment. These changes can be achieved by using either our water based or solvent based V.O.C. compliant formulations.

*Surtec Has the 'Solutions' for Your Maintenance Problems!*

## Waterborne Impregnating Seals

### Tec Seal

HS-610

TEC SEAL is specially formulated to seal and protect ceramic tile, limestone, sandstone, concrete, terrazzo, marble, granite, stucco, grout and other stone and masonry surfaces. Not a conventional topical sealer, but an impregnating sealer that protects the interior of the stone or masonry, repelling soils, liquids and oils that can discolor or stain. VOC Content= 29 g/l.

### Hydroseal

HS-612

Waterborne inorganic seal for masonry surfaces, including concrete, terrazzo, stone, ceramic tile, grout, marble, granite, slate, etc. Protects against soiling and staining from food, beverage spills, soils, urine and many other spills and stains. VOC Content = 0 g/l.

### HDI Impregnating Sealer

PS-618

HDI Impregnating Seal is a emulsion based water soluble penetrating seal that internally seals masonry surfaces, including concrete, terrazzo, stone, ceramic tile, grout, marble, granite, slate, etc. HDI combines the durability and deep penetration of a solvent based seal with the ease of use and cleanup of a water based seal. By protecting the surface from within, HDI provides an invisible barrier. VOC Content = 28 g/l.

## Waterborne Topical Seals

### Aquapro 100

CS-670

AQUAPRO 100 is a low VOC waterborne acrylic sealer with excellent durability as well as oil, water and soil resistance. For all areas requiring the highest water resistance, AQUAPRO 100 will not blush from standing water and features a low temperature cure requirement (40° F min). AQUAPRO 100 may be used as a seal or topcoat for indoor and outdoor masonry surfaces, such as concrete, terrazzo and stone tile. It is suitable for both interior and exterior use, and will not yellow, haze or flake. AQUAPRO 100 complies with all Federal, CA and OTC VOC regulations. 18 % solids. VOC Content = 99 g/l.

### Stone Seal

CS-676

STONE SEAL is a unique water base ultra-low VOC coating that effectively seals the pores of concrete and masonry, while providing a high gloss base for any SURTEC waterborne topical seals or floor polishes. STONE SEAL provides excellent adhesion, and protects topical seals from the harsh alkalinity of the concrete. STONE SEAL may also be used by itself as a topical seal. STONE SEAL complies with all Federal, CA and OTC VOC regulations. 22.5% solids. VOC Content = 44 g/l.

### Surtec Bond Coat - Bonding Agent

BC-640

With its superior adhesive properties, SURTEC BOND COAT is specifically designed to act as a bond coat between difficult to coat substrates and protective floor finishes and waterborne sealers. BOND COAT may be used concrete, masonry, ceramic tile, interior sealed hardwoods and resilient tile or sheet surfaces providing excellent adhesion to these surfaces where other sealers often fail. BOND COAT is compliant with all Federal, CA and OTC VOC Regulations. VOC content = 44 g/l. 22.5% solids. 750-1000 sq. ft./gal. (rough finish) & 1000-1500 sq. ft./gal. (smooth finish) provides an invisible barrier. VOC Content = 28 g/l.

## Two Part Urethane Acrylic Seals

### Surpro HS (Solventborne)

SP-699

SURPRO HS is formulated specifically to protect and seal concrete and masonry that is subject to the heaviest use conditions. SURPRO HS is also an effective graffiti barrier for most walls and signs. SURPRO HS will inhibit the passage of water or any other liquid, retard efflorescence, and will resist peeling, flaking, blistering or discoloring of properly-prepared substrates. SURPRO HS is also compatible with most stone and masonry surfaces. Before use, test in an inconspicuous area; if in doubt, consult SURTEC. SURPRO HS conforms to most CA and OTC VOC regulations. Before use, consult federal, state and local regulations to determine if this product complies with VOC regulations in your area. 67% solids. Flash point 82°F. VOC content = 340 g/l.

### Surpro 100LV (Solventborne)

SP-695

SURPRO 100LV is a low VOC, low viscosity, high gloss coating formulated to preserve and protect above-grade concrete and other cementitious surfaces. SURPRO 100LV's durable, "wet look" finish will inhibit the passage of water or any other liquid, retard efflorescence, and will resist peeling, flaking, blistering or discoloring of properly-prepared substrates. 25% solids. Flash point 109°F. VOC Content = 99 g/l.

**Surpro 44 Matte (Waterborne)**

SURPRO 44 MATTE is a high performance, low VOC, two-component urethane/acrylic sealer formulated specifically to protect and seal concrete and other cementitious surfaces that are subject to the heaviest use conditions. SURPRO 44 MATTE offers enhancement of the substrate similar to solventborne sealers, provides a 2 hour pot life, and is easy to apply. Before use, always test in an inconspicuous area; if in doubt, consult SURTEC. 51% solids. SURPRO 44 MATTE complies with all Federal, CA and OTC VOC regulations. 62% solids. VOC content = 44 g/l.

**SURPRO HDWB**

SURPRO HDWB is a high performance, two-component urethane/acrylic sealer formulated specifically to protect and seal concrete and other cementitious surfaces that are subject to the heaviest use conditions. Solids 51% VOC Content = 38 g/l

## Solventborne Acrylic Concrete and Masonry Seals

The Solventborne Acrylic Concrete and Masonry Seals listed in this section are designed to permanently seal concrete and masonry surfaces. Their non-yellowing high gloss finish will protect the surface from water, dust, stains and dirt. Each may be used on new and old, indoor and outdoor surfaces, unless otherwise specified.

**CL-621**

CL-621 is a low viscosity, deep penetrating and quick drying sealer that is ideal for low build roller and pump-up spray and back-roll applications. CL-621 provides high gloss color enhancement for stained, integrally colored and unstained concrete and cementitious surfaces. Due to high flammability, CL-621 is not recommended for interior application. CL-621 complies with all Federal, CA and OTC VOC regulations. VOC content = 99 g/l.

**TS-625**

TS-625 is a waterproofing acrylic lacquer designed to permanently seal concrete and masonry surfaces. Treatment with TS-625 provides a non-yellowing "patina gloss" finish which will protect the surface from water, dust, stains, and dirt. TS-625 may be used on new and old indoor and outdoor surfaces. TS-625 contains 735 grams per liter maximum V.O.C. content. This product does not conform to all VOC regulations. Before use, consult state and local regulations to determine if this product complies with VOC regulations in your area. VOC content = 735 g/l.

**CL-631**

CL-631 is an ultra-low VOC acrylic lacquer, specifically formulated with a proper balance of carrier solvents to create a slower evaporation rate to offer better flow and leveling and more work time than typical low VOC solventborne acrylic sealers, and with its high flash point (109°F) and low flammability, is safer to use. CL-631 provides color enhancement for stained, integrally colored and unstained concrete and cementitious surfaces. CL-631 conforms to most CA and OTC VOC regulations. 25% solids. Flash point 109°F. VOC Content = 99 g/l.

**CL-637**

CL-637 is an acrylic lacquer. CL-637 is not compliant in all areas. Before use, consult federal, state, and local regulations to determine if this product complies with VOC regulation in your area. 27% solids. Flash point 82°F. VOC Content = 675 g/l.

## Anti-Graffiti System

**Surtec Graffiti Barrier VOC**

Environmentally Preferred Low Gloss Low VOC Urethane/Acrylic Protective Coating

GRAFFITI BARRIER VOC is a low gloss, high performance, two-component waterborne urethane/acrylic clear coating formulated for graffiti protection of concrete and masonry surfaces. GRAFFITI BARRIER VOC is suitable for application to most painted and unpainted concrete, stucco, artificial stone, cinder block and similar surfaces. In combination with GRAFFITI BUSTER VOC remover, GRAFFITI BARRIER VOC offers protection from spray paints, marker inks, crayon, etc. GRAFFITI BARRIER VOC complies with all Federal, CA and OTC VOC regulations. VOC content = 44 g/l. 51% solids. Coverage = 400-600 sq. ft./gal.

**Surtec Bond Coat**

Bonding Agent/Primer for Graffiti Barrier VOC

With its superior adhesive properties, SURTEC BOND COAT is specifically designed to act as a bond coat between difficult to coat substrates and protective floor finishes and waterborne sealers. BOND COAT may be used concrete, masonry, ceramic tile, interior sealed hardwoods and resilient tile or sheet surfaces providing excellent adhesion to these surfaces where other sealers often fail. BOND COAT is excellent as a primer coat for Graffiti Barrier VOC, particularly when preservation of a "natural" appearance of the substrate is desired. BOND COAT is compliant with all Federal, CA and OTC VOC Regulations. VOC content = 44 g/l. 22.5% solids. 750-1000 sq. ft./gal. (rough finish) & 1000-1500 sq. ft./gal. (smooth finish)



**BUY DIRECT FROM THE MANUFACTURER & SAVE**

**Since 1975 Surtec has developed and manufactured a complete line of cleaners and coatings to protect and maintain all types of surfaces.**



### **Concrete Pigments and Slip Resistant Additives**

Now you don't have to settle for just clear seals. Surtec offers a limited selection of pigment additives to give you both color and protection in your concrete seal.

Surtec also offers special additives for *grip* or *slip resistance*. These products are added to the seal at the time of application. Therefore they are evenly distributed and don't settle to the bottom of the container. So, if you have a need for traction control, such as ramps, steps or wet environments, etc., then Surtec has the solutions for those problems too.

If you need further assistance, including literature or samples, please feel free to contact our support team. We are glad to assist.

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