

## **TEC SEAL**

TS-610

### **CERAMIC TILE, STONE, GROUT AND MASONRY WATERBORNE IMPREGNATING SEALER**

**DESCRIPTION** - 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 latex sealer, but an impregnating sealer that protects the interior of the stone or masonry, repelling soils, liquids and oils that can discolor or stain. *This product is for professional use only.*

- **Preserves the natural appearance** while protecting from within the pores of the substrate. Traditional seals and finishes change the appearance of the stone, darkening or adding gloss to the surface; TEC SEAL provides an invisible protective barrier, but leaves the surface natural in appearance.
- **Repels soils and stains** - floors sealed with TEC SEAL easily repel spilled beverages, soils, and especially oils and oily soils, making the surface easy and economical to maintain. All of the TEC SEAL is absorbed and locked into the pores of the stone or masonry to retard penetration of liquids and soils.
- **Preserves the natural slip resistance** - properly installed TEC SEAL leaves no material on the surface, so in many cases slip resistance underfoot will be improved, thereby increasing safety.

**PREPARATION** - Surface must be clean, dry and free of all coatings, waxes, curing compounds or other contaminants or foreign material before TEC SEAL is applied.

Sweep or dust mop the surface as necessary, then thoroughly scrub the surface with an appropriate dilution of SURTEC HC-150 heavy duty cleaner, SURTEC SC-210 heavy duty cleaner/degreaser or other cleaner or stripper as recommended by a SURTEC Technical Representative. Scrub the floor using a standard speed floor buffer equipped with green scrub or black strip pads or scrub brushes for surfaces with grout lines or uneven texture. For "soft" or polished stone floors, e.g. limestone, polished or honed marble, etc., use non-abrasive nylon brushes or white pads so that surface is not scratched.

After the floor is scrubbed, thoroughly pick up the cleaning solution with a wet vacuum to insure that surface and pores within the stone, masonry or concrete are free of residue. Rinse thoroughly with large amounts of clean, warm water, vacuum again, then tight mop with fresh, clean, warm water. Allow the floor to dry completely before application.

**APPLICATION** - On smooth surfaces TEC SEAL may be applied with a clean, white, cotton string mop or micro-fiber pad. On rough surfaces, application with a pump-up sprayer followed by brushing with a soft-bristle deck brush is recommended.

Apply TEC SEAL to the substrate, keeping the area wet for 5 to 10 minutes. Work only as much area as can be kept wet during this time (roughly 50 to 100 square foot area). For very porous substrates, wet-on-wet application of multiple treatments is appropriate. For best results, TEC SEAL should be applied to saturation, i.e. the substrate remains damp on the surface and no further material penetrates.

After 5 to 10 minutes of dwell time, mop up all excess sealer or absorb with a micro-fiber pad. Avoid using vacuums as these may extract sealer from the pores of the substrate. The surface may be damp-mopped with a very dilute solution of SURTEC HC-150 (1/2 ounce per gallon) to remove any residue. For best results, allow 24 hours of cure time for property development before opening up to traffic or exposing to water. TEC SEAL may be reapplied if necessary.

# **SURTEC, Inc.** *Surface Technology*

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## **TEC SEAL (continued):**

**MAINTENANCE** - TEC SEAL will make the surface easier to maintain so use of heavy duty concentrated cleaners, harsh scrubbing and power washing under high pressure can be avoided. Since TEC SEAL is not a topical sealer, use of acidic cleaners must be avoided to prevent damage to the substrate. Generally, the floor may be cleaned with SURTEC HC-150 or LF-150 at a 1 - 2 oz. per gallon dilution with water. Maintenance needs may vary, therefore, consult your SURTEC Technical Representative for more specific maintenance instructions.

## **SPECIFICATIONS:**

COLOR: .....	Opaque, white (dries to transparent within substrate)
ODOR: .....	Mild
FLASH POINT: .....	None (C.O.C. Method)
DRYING TIME (at 68° F., 50% RH): .....	20 to 30 minutes
CURE TIME (at 68° F., 50% RH): .....	24 to 48 hours
V.O.C. CONTENT: .....	29 g/l
VAPOR PERMEABILITY: .....	50% minimum
HMIS RATING: .....	Health = 1 Flammability = 0 Physical Hazard = 0
POLYMER TYPE: .....	Proprietary Reactive Resin System
SPECIFIC GRAVITY / DENSITY: .....	1.0 / 8.32 pounds per gallon
COVERAGES (approximate):	
Non-porous ceramic tile and grout .....	400 to 800 square feet per gallon
Concrete, terrazzo, ceramic or stone tile (smooth) .....	300 to 600 square feet per gallon
Concrete, flame-cut granite, stone tile (rough) .....	150 to 400 square feet per gallon
Polished marble, granite .....	400 to 800 square feet per gallon
PACKAGE SIZES: .....	4 x 1 gallon jugs
.....	5 gallon pails
.....	55 gallon drums