SeamTek™ N² UV Cured Type 8LTS

High Temperature Environment
Quartz Flooring

Life Science Products
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Install LSP's World Class UV Sealed Floor
in the Morning,
Use Your New Floor
the Same Day.
No Odor, No VOCs, No HAPs
Completely Sealed,
Environmentally & Personnel Friendly

SeamTek™ N2 UV Cured Type 8LTS Flooring Features:

- Engineered for High Temp and Chemically Abusive Environments
- Immediately Available to Occupy
- One of the Hardest, Chemical Resistant, Seal Coats Available
- Superior Stain Resistance
- No Lingering Odor like MMA
- Extremely Long Lasting
- Clear and No Ambering
- 100% Solids – Solvent Free
- No VOCs and No HAPs
- LEED Compliant

SeamTek™ N2 UV Cured Type 8LTS Flooring General Description:

SeamTek™ Type 8 LTS N2 Flooring has been developed for use in high temperature environments that are also physically and chemically abusive. The two part component system can withstand temperatures in excess of 3000 F. It is ideal for use in areas of hot water and where steam cleaning is the norm. Cage Wash, Autoclaves and commercial kitchens come to mind as types of intended applications.

The system uses UV Lights to cure within seconds at such an advanced level to allow the use of the floor immediately. So completely cured and sealed, it accepts full weight loads and chemical exposure with no wait time. SeamTek™ N2 Type 8 LTS uses quartz aggregate to provide color and skid resistance. LSP N2 UV systems offer similar long term benefits as MMA floors without their typical odor issues.

Details and Properties

Color - Resins and UV Coat are Clear. Floor color and pattern determined by quartz colors.
Installed Thickness - Nominal 110 mils.
Resin Storage Temperature - 60°- 80° Farenheit
Epoxy Resins - 100% Solids
System Type - Slurry Broadcast
Mix Ratio - 2:1 (Resin to Hardener)
Agitate Time - 2 Minutes then scrape interior of mixing container and mix 1 more minute.

Sub-Floor Moisture Vapor Transmission - Not to exceed 2.9 Pounds of water per 24 hours per 1,000 sq.ft. as deter-mined by test ASTM F-1869. (Calcium Chloride Test)

Minimum Test Values Required:
ASTM C-579 Compressive Strength - 12,000 psi
ASTM C-307 Tensile Strength - 4,500 psi
ASTM C-580 Flexural Strength - 3,950 psi
ASTM D-635 Flexural Modulus - 2.5 x 10^5
ASTM D-635 Flammability - Self Extinguishing

Chemical Resistance:

Acetic Acid, 10% - SS
Acetone - SS
Aluminum Chloride - E
Ammonium Hydroxide, 28% - SS
Calcium Chloride, 30% - E
Calcium Hypochlorite 30% - E
Chlorine (Wet or Dry) - SS
Clorox Full Strength - SS
Diethyl Phthalate - E
Formaldehyde, 37% - SS
Formic Acid, 10% - SS
Gasoline - E
Glycerin - E
Hydrochloric Acid, 10% - E
Hydrochloric Acid, 37% - G
Hydrogen Peroxide, 6% - SS
Isopropyl Alcohol - SS
Lactic Acid, < 20% - E
Mineral Spirits - E
Nitric Acid, 10% - E
Phosphoric Acid, 50% - E
Potassium Hydroxide - E
Sodium Hydroxide, 50% - E
Sodium Hypochlorite, 15% - SS
Sulfuric Acid, 10% - E
Sulfuric Acid, 30% - E
Trichloroethylene - G
Trisodium Phosphate - E
Urea - E
Urine - E

E = Excellent (Maintains Resistance up to 7 days)
G = Good (Maintains Resistance up to 25 hours)
SS = Splash & Spill Requiring Immediate Removal

(The above is a generic listing of chemical resistance and may not be accurate for all commercial solutions. LSP recommends testing all new chemicals before adding to cleaning protocols.)

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