



SeamTek™
N² UV Cured
Type 1Q
Quartz Flooring

**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 and
Personnel Friendly



**SeamTek™ N² UV Cured
Type 1Q Flooring Features:**

- 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
- High Taber Resistance

Life Science Products

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SeamTek™ N² UV Cured Type 1Q Flooring General Description:

SeamTek™ Type 1Q N2 Flooring is composed of epoxy, urethane, and vinyl ester resins. They are styrene free and very environmentally friendly. The composite system is reinforced with a fiberglass mat to enhance tensile and flexural strength. The system uses UV Lights to cure within seconds, and 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™** Type 1Q uses aggregate quartz to provide color and random pattern. The system has excellent thermal properties and impact resistance. Quartz N2 flooring is an excellent fit for Cage Wash or high moisture areas. Skid resistance levels can be met, and the high chemical resistance of N2 withstands a variety of cleaning agents.

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° Fahrenheit

Epoxy Resins - 100% Solids

System Type - Quartz 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 determined by test ASTM F-1869. (Calcium Chloride Test)

Minimum Test Values Required:

ASTM C-579 Compressive Strength - 17,000 psi

ASTM C-307 Tensile Strength - 13,000 psi

ASTM C-580 Flexural Strength - 25,000 psi

ASTM D-635 Flexural Modulus - 2.5×10^5

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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