

sti[®] Seamless Technologies, Inc.

SeamTek[®] N² UV Cured Flooring (SeamTek Type 1, Type 2 and Type 8)

Product Data Sheet

1. Product Description

Basic use

SeamTek[®] N² flooring is composed of composite resins formulated with no-VOC (Volatile Organic Content) and no-HAPs (Hazardous Air Pollutants). This system is a high performance LEED COMPLIANT system utilizing the latest in “Clean Resin Technology”. The resin system has been third party verified with respect to the no-VOC and no-HAPs claim. In addition to “Clean Resin Technology” the N² system is UV cured, offering significant added value. UV curing incorporates a predictable monomer as a cross link activator which, due to the predictability of the reaction, greatly improves chemical resistance, hardness and gloss retention. N² is particularly effective against strong acids and strong solvents. The cured product is also totally unaffected by the ambering effects of UV “bug-lights” and is ready for use as soon as it is cured; no two hour or three day wait to clean and disinfect.

The body resin has an extremely high heat tolerance that is in excess of 350 degree F. Thermal shock as known in the normal laboratory, kitchen or animal holding facility is not an issue. The system can be built in either a reinforced or non- reinforced format; see specific system sheets for details. The resins cure to form rigid and highly abrasion resistant binders for high performance interior floor finishes. The system(s) can be used with either quartz aggregate or flakes for texture and aesthetics. STI N² systems are a step above for Animal Holding, Cage Wash, Kitchens, Pedestrian, Pharmaceutical, Lavatory and many other uses. **Three versions are available and referred to as Type 1, Type 2, and Type 8.**

Features and benefits include:

- Clear and no ambering
- no-HAP
- no-VOC
- LEED Compliant
- 100% solids – solvent free
- Excellent Bond Strength
- Excellent Chemical Resistance

- High Taber Resistance

All STI SeamTek[®] systems are composed of resins and aggregates which utilize the best available technology for safety and performance. All products and systems are extensively field tested prior to use on SeamTek projects.

Composition and Materials

SeamTek[®] clear and pigmented vinyl ester resins are styrene free.

Sizes

The binder resin is packaged in 4 U.S. gallon pails.

Limitations

SeamTek N² flooring must not be used to bridge moving cracks or joints. Non-moving cracks or joints that must be over coated require rigid repairs. See STI Technical Manual System Specifications for details. Surface or air temperature must be between 65°F minimum and 80°F maximum and relative humidity below 70%. Lower temperatures will extend cure time and higher temperatures will reduce pot and work life.

Storage and Handling

Because SeamTek[®] N² is a no-VOC and no-HAP product, transportation and storage have fewer DOT restrictions.

Product Health and Safety Information

Refer to container labels and Material Safety Data Sheets available from STI for health, safety and environmental information. If necessary, call STI at (800) 666-6216.

Applicable Standards

STI SeamTek[®] SeamTek N² resins have been tested in accordance with American Society for Testing and Materials (ASTM) methods. The USDA and FDA no longer regulate coatings used on floors, walls, and ceilings in food process areas, since the surfaces are not intended for food contact.

Surface Preparatory Work

Preparatory work must be done in accordance with procedures described in STI Technical Manual.

Mixing

Caution, activators or catalysts used in the cure of N^2 resins can cause chemical burns if not washed from the skin as soon as contact is made. The use of proper PPE is required when mixing catalysts.

Measure the N^2 resin into plastic marked containers. Add catalyst and agitate using a jiffy paddle and low speed drill (400-600 rpm). Agitate for 2 minutes, and then scrape sides of container and mix for an additional minute. Avoid generating air bubbles and foam. Consider mixing small batches to reduce potential waste. To avoid exothermic reaction in mixing container, do not let mixed components sit in container. Immediately, pour the mixed binder resin onto the floor to be coated. Spread or finish material according to application instructions contained in STI Technical Manual.

3. Warranty

SeamTek® N^2 Flooring Systems are installed by STI Associate Contractors and are available with the STI Single Source Limited Warranty for Labor and Material. This Product Data Sheet is for your information and is neither a contract nor a product warranty. Your installation contract is provided by your STI Associate Contractor. STI's warranty to you is made solely in the STI Single Source Limited Warranty for Labor and Material. Contact your Associate Contractor for the specific warranty document.

4. Maintenance

SeamTek® systems are hard seamless surfaces that will provide years of life with little maintenance. For more detailed maintenance instructions, please request STI Floor Maintenance Instructions. Periodic inspections by your STI Associate Contractor are recommended to discuss ways to extend the life of the floor care.

5. Technical Service

Call your STI representative for assistance.

Seamless Technologies, Inc.
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Fax (410) 810-2525

Your STI Associate is: