Seamless Technologies, Inc.

SeamTek®

Elastomeric Urethane Membrane (MU-755)

Product Data

1. Product Description

Basic use

SeamTek® Elastomeric Urethane Membrane is a two component 94 % solids, low-odor, low viscosity , low VOC urethane resin that chemically cures to form a flexible membrane sheet over flooring substrates. It has been specifically designed to provide a 400 % elongation and to serve as an aid in bridging crack movement. It can be used as a "slip sheet" beneath epoxy flooring systems or as an integral component in waterproofing systems. It is recommended that an epoxy primer be used in conjunction with this product.

Features and benefits include:

- Self leveling
- Low foaming
- Good workability – easy to spread
- 94 % solids
- Low VOC
- Low odor
- Low flammability
- Compatible with epoxy resins and a wide range of aggregates

The 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 Ealstomeric Urethane Membrane is a chemical curing, two component, 94 % solids urethane product.

Sizes

The binder resin and hardener are packaged in 5 U.S. gallon (18.9 liter) pails.

Limitations

SeamTek MU-755 is used to bridge moving cracks or joints but may not be effective in situations of extreme horizontal movement over 1/8". MU-755 is not recommended for remediation of lateral rotation joint movement. See STI Technical Manual System Specifications for details. Installation conditions should be between 65°F minimum and 80°F maximum and relative humidity below 80%. Lower temperatures will extend cure time and higher temperatures will reduce pot and work life.

Storage and Handling

Store resin and hardener so as to avoid freeze and thaw cycles. Bring material to application temperature prior to use.

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 MU-755 has been tested in accordance with American Society for Testing and Materials (ASTM) methods. Refer to Table 1on page 1 for more information. The USDA and FDA no longer regulates resins 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.

Table 1 Typical Physical Properties

Property	Measuring Standards and Conditions	Results Part A/Part B
Specific Gravity	ASTM D 70, Fisher #3-247 pycnometer	1.1
Weight +/- 0.4 lbs./gal.	ASTM E 201	9.2
Non-volatile Content	ASTM D 1353, 18 hrs. at 200°F (93°C)	94 %
Viscosity, cps	ASTM D 1475 77°F (25°C)	Self-leveling
Flash Point, TCC minimum	Closed Cup	Less than 210 F
Solvent Odor	ASTM D 1296	Extremely low
Flexibility	[illegible]	400 % Stretch

Mixing

Caution, containers used to measure MU-755 Resin and Harder must be marked appropriately and only used to measure the indicated component. Container used to mix both resin and hardener must be cleaned or changed after mixing each batch to avoid residual material affecting viscosity and cure rates.

Measure both parts by volume 9 to 1 into plastic marked containers. Pour resin and hardener into a separate container 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, either pour the mixed urethane resin onto the floor to be coated. Spread or finish material according to application instructions contained in STI Technical Manual.

3. Warranty

STI 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. Technical Service

Call your STI representative for assistance.

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

Your STI Associate is:

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