

# sti<sup>®</sup> Seamless Technologies, Inc.

## SeamTek<sup>®</sup>

### Elastomeric Urethane Membrane (760 ZV)

#### Product Data

#### 1. Product Description

##### Basic use

SeamTek<sup>®</sup> Elastomeric Urethane Membrane is a single component, low-odor, low viscosity, low VOC urethane resin that cures to form a flexible membrane sheet over flooring substrates. Recommendations are to use the membrane at thicknesses of 20 to 40 mils. 760 can be applied in multiple layers if necessary. It has been specifically designed 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
- 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 Elastomeric Urethane Membrane is a chemical curing, single component, 94 % solids urethane product.

##### Sizes

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

##### Limitations

SeamTek 760-ZV is used to bridge moving cracks or joints but may not be effective in situations of extreme horizontal movement over 1/8". 760-ZV 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 70%. 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 760-ZV has been tested in accordance with American Society for Testing and Materials (ASTM) methods. Refer to Table 1 on 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		400 % Stretch

**Mixing**

Caution, containers used to measure 760-ZV Resin must be marked appropriately and only used to measure the indicated component. Container used to mix resin and must be cleaned or changed after mixing each batch to avoid residual material affecting viscosity and cure rates.

Agitate for 2 minutes, and then scrape sides of container and mix for an additional minute. Avoid generating air bubbles and foam. 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.**  
PO Box 428  
Chestertown, MD 21620  
(800) 666-6216  
Fax (410) 810-2525

Your STI Associate is:

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