

1. PRODUCT NAME

713 FLEXIBLE MEMBRANE

2. MANUFACTURER

Polygem, Inc.
 1105 Carolina Drive
 West Chicago, IL 60185
 Telephone: (630) 231-5600
 FAX: (630) 231-5604
 www.polygem.com

3. PRODUCT DESCRIPTION

713 is a 100% Solids, Non-Shrink, Moisture-insensitive, Two-Component Epoxy Membrane Base Coat.

Advantages

- Nearly no odor
- 100# Solids, NO VOC's
- Excellent Work Time
- Non- Shrink Membrane
- Easy to Place
- Cures down to 40°F
- Excellent Strength Properties
- Excellent Impact Resistance
- Overlayment May be Placed when Membrane is Tack-Free

Uses

Dry Concrete, Steel and Wood Surfaces as a Neat Membrane, Scrim Reinforced Membrane or Base Coat for Foot & Vehicular Tire Traffic, Commercial Floors, Mechanical Rooms, High Rise Building Floors, Hardwood and Plywood, Manufacturing Plants, Parking Decks and Ramps.

4. APPLICATION INSTRUCTIONS

1. On damp surfaces, prime the surface with Product #744. Allow polymer to become tack free before applying #713 Flexible Membrane.
2. Flexible Membrane is not a wear surface and requires an appropriate wear surface over membrane.

Packaging

4 and 10 gallon Units.

Shelf Life

Unopened containers are guaranteed for 1 year. Store in temperatures between 60°-80° F. Storing above 85° will reduce shelf life. Keep from freezing

Limitations

Minimum substrate & ambient Temperature is 40°F.
 DO NOT THIN- Solvents will prevent proper cure.
 DO NOT PLACE EPOXY IF ICE IS PRESENT

Cautions

Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Safety Data Sheet for full listing protective requirements. 713 may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. For professional use only. Keep out of reach of children.

5. TECHNICAL DATA

Performance Properties @ 73°F., 50% R.H.

Viscosity, cps	2000-2800
Color	Straw
Pot Life	20 minutes
Tack-Free Time, hours	
40°F	10-12
73°F	6-8
90°F	5-7
Consistency	Nearly Self Leveling
Tensile Properties (ASTM D638)	7 Days
Tensile Strength	2200 psi
Elongation at Break, min.	80-100%
Slant Shear Strength (ASTM C882)	7 days
Test Temperature	Value Mode of Failure
90°F	3000psi 100% Concrete
40°F	3200 psi 100% Concrete
Coefficient of Thermal Expansion (ASTM D696)	
Temperature Range -22°F/ 86°F	
7 days	7.5.0 x 10-6 in /in./°F
Hardness, Shore D (ASTM D2240)	35-45
Water Absorption (D570)	
7 days	0.17%

Polygem, Inc. warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current physical properties when applied within Polygem's directions and tested in accordance with ASTM and Polygem standards. Polygem, Inc.'s liability is limited to replacement of material found defective. As Polygem, Inc. has no control over the use to which others may put its products, it is recommended that the product be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.