

# #713 FLEXIBLE MEMBRANE

## FLEXIBLE MEMBRANE BASE COAT

### 1. PRODUCT NAME

#713 FLEXIBLE MEMBRANE

### 2. MANUFACTURER

Polygem, Inc.  
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### 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 of 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

Factory sealed containers of this product are guaranteed to be of first quality for 12 months.- 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
Tenise 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%

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