

**1. PRODUCT NAME**

744 Epoxy Base Coat

**2. MANUFACTURER**

Polygem, Inc.  
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**3. PRODUCT DESCRIPTION**

744 is a 100% Solids, Non-Shrink, Moisture-insensitive, Self-priming Two-Component Epoxy Base Coat.  
 Allows a long work time for small or large areas.  
 Very low odor.

**Advantages**

- Nearly no odor
- Cures down to 40°F
- 100 % Solids, NO VOC's
- Excellent Work Time
- Moisture Insensitive Formula
- Excellent Strength Properties
- Excellent Impact Resistance

**Uses**

- Base coat
- Decorative
- Industrial
- Institutional
- Manufacturing
- Neat Coats
- Mortars

**4. APPLICATION INSTRUCTIONS**

Mix 744 at a ratio of 2 pt. "A" – 1 pt. "B" components.  
 The mixed polymer can be applied as a neat coating, single or double broadcast system, EPC hand troweled or power troweled.

**Colors**

Straw, Light Gray, Medium Gray, Dark Gray, Beige, Crème, Tile Red, Jute Brown, True Blue and Black.

**Custom Colors available**

**Packaging**

3, 5, 15 gal 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 APPLY EPOXY IF ICE IS PRESENT  
 744 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**

Viscosity,	550-750 cps		
Color	Straw or Pigmented		
Pot Life	30-35 minutes		
Tack-Free Time, hours			
50°F	10-12		
73°F	6-8		
90°F	5-7		
Consistency	Nearly Self Leveling		
Tensile Properties (ASTM D638)	7 Days		
Tensile Strength	8900 psi		
Elongation at Break, min.	5%		
Slant Shear Strength (ASTM C882)	7 days		
Test Temperature	Value	Mode of Failure	
50°F	4100psi	100% Concrete	
90°F	4200 psi	100% Concrete	
Coefficient of Thermal Expansion (ASTM D696)			
Temperature Range -30°C -22°F / 36°C 86°F			
7 days	18.0 x 10-6 in./in./°F		
Hardness, Shore D 80 (ASTM D2240)			
7 days			
Compressive Strength (Neat Polymer)			
	8 hr	1 day	7 days
50°F	3,700 psi	10,200 psi	14,200 psi
73°F	6,200 psi	10,200 psi	14,200 psi

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