

#732 CLEAR TOP COAT

UV RESISTANT EPOXY

1. PRODUCT NAME

#732 UV RESISTANT

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Polygem's #732 is a two-component clear epoxy topcoat. It is a 100% solids, non-shrink, highly modified for better UV resistance, nearly no odor during application of the clear polymer. INDOOR USE ONLY.

Uses

Used in decorative, commercial, institutional and industrial applications where the existing overlay needs added protection from wear. It can also provide a smooth or aggressive textured profile surface for anti-slip environments. It can be used as a clear coating over clean concrete surfaces and decorative systems. Often used under a WB Satin or Matte finish.

Advantages

- NO VOC's – 100% Solids formula
- Nearly No odor during application
- Complies with USDA, FDA, OSHA, ADA
- Moisture-insensitive formula
- Excellent Impact Properties
- Excellent Strength Properties
- Cures down to 40°F

4. APPLICATION INSTRUCTIONS

#732

Mix Ration by Volume Comp "A" 2 to Comp "B" 1

Packaging — Neat Base Coat: 10 mils (120-140 sq. ft/ gallon).

Coverage depends on the system that is being top coated. EX: Full flake requires more top coat than a random flake.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for 12 months.- Keep from Freezing

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.

☐ #732 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 @ 73F., 50% R.H.

Test/Test Method Results

Viscosity, cps	550-750 cps
Color	Clear
Pot Life, minutes	18-20 minutes
Consistency	Self Leveling
Tack-Free Time, hours	
50°F	10-12
73°F	6-8
90°F	4-7

Tensile Properties (ASTM D638)	7 Days
Tensile Strength	8,800psi
Elongation at Break	5%
Flexural Properties (ASTM D790)	7 Days
Flexural Strength	16,000psi
Tangent Modulus of Elasticity	510,00psi
Slant Shear Strength (ASTM C882)	7 days

Temp	Value	Mode of Failure
50°F	4,000psi	100% Concrete Failure
90°F	4,200psi	100% Concrete Failure

Compressive Strength (ASTM D695)

Temp/	8 hours/1day/7days
50°F	3,700/6,300/10,300psi
73°F	10,100/10,200/10,300psi
90°F	14,100/14,200/14,200psi

Compressive Strength (ASTM C579) 7days

EPC 11,500pci

Hardness (Indentation-ASTM D 2240)

Neat epoxy, 7 day cure, Durometer, Shore D 80

Adhesion to Concrete (Tensile Pull- ACI 503R)

EPC, 7 day cure, -410psi, 100% concrete failure

Abraison Resistance (Taber-ASTM D 4060)

EPC, 7 day cure, 1,000 cycles, 1,000g. load, Wheel

No.17, Loss 0.051g

Water Absorption (ASTM D 570)

Neat, 7 day cure, max. 0/15%

Coefficient of Thermal Expansion (ASTM D696)

Temperature range -30°C (-22°F) / 30°C (86°F)

7 days 18.0 x 10⁻⁶ in/in./°F

Flammability (ASTM D635)

EPC, 7 day cure, self-extinguishing

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Data sheets are subject to change without notice