

# #724 MICA

SAFE, DUSTLESS APPLICATION WITH MICA

## 1. PRODUCT NAME

#724 MICA

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

Polygem's #724 is a three- component self-leveling epoxy floor overlay infused with mica. It is a 100% solids, non-shrinking, self-leveling system with nearly no odor during application. It is applied over a pigmented base coat to enhance the color of Mica chosen.

### 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

## 4. APPLICATION INSTRUCTIONS

#724 is mixed and applied with a gauge rake onto the tack-free base coat., it will be necessary to back-roll the wet epoxy with a spike roller to assist in distributing the mica evenly.

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

Self-leveling Wear Surface kit cover 120 square feet at 1/16 inch thick.

### 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.
- #715 & #716 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	500-800 cps
Color	Clear (with choice of Mica)
Pot Life, minutes	15-20
Consistency	Self Leveling
Tack-Free Time, hours	
50°F	10-12
73°F	5-7
90°F	4-6

Tensile Properties (ASTM D638) 7 Days  
Tensile Strength 8,100psi

Elongation at Break >5%

Flexural Properties (ASTM D790) 7 Days  
Flexural Strength 15,000psi

Tangent Modulus of Elasticity 500,00psi

Slant Shear Strength (ASTM C882) 7 days

Temp	Value	Mode of Failure
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50°F	4,100psi	100% Concrete Failure
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90°F	4,300psi	100% Concrete Failure
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Compressive Strength (ASTM D695)

Temp/	8 hours/1day/7days
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50°F	3,700/6,300/10,300psi
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73°F	10,100/10,200/10,300psi
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90°F	14,100/14,200/14,200psi
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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, -400psi, 100% concrete failure

Abraison Resistance (Taber-ASTM D 4060)

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

No.17, Loss 0.04.9g

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<sup>-6</sup> in/in./°F

Flammability (ASTM D635)

EPC, 7 day cure, self-extinguishing

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#724 MICA DATA SHEET 04/2017

Data sheets are subject to change without notice