

# POLYBAC #1618

## CLEAR EPOXY TOP-COAT

Data Sheet C-19

### 1. PRODUCT NAME

POLYBAC #1618

### 2. MANUFACTURER

Polygem, Inc.  
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### 3. PRODUCT DESCRIPTION

POLYBAC #1618 is a fast-curing, epoxy resin specially formulated for use as a seamless floor Top-Coat. POLYBAC #1618 is an easy to mix 2 to 1 by volume ratio and it's low viscosity allows for easy to spread thin-coat applications. POLYBAC #1618 is ideal for small areas or areas of critical service that demand a prompt return to service. POLYBAC #1618 is resistant to most chemicals and solvents. POLYBAC #1618 is non-blushing and the resin system of choice for cool/humid floors.

#### Advantages.

- No VOC's or Solvents
- 100% solids
- Cures under cool/humid conditions

#### Uses

For the protection and beautification of many flooring requirements. POLYBAC #1618 is ideal for use on:

- Decorative Quartz and Flake Broadcast Flooring
- Warehouse Seamless Flooring
- Restaurant Eating and Kitchen Areas
- Industrial Production Areas
- Clean Rooms
- High Traffic areas
- Municipal and Institutional Flooring
- Epoxy Mortars and Grouts
- Chemical and Corrosion Resistant Coating

### 4. APPLICATION INSTRUCTIONS

- 1) POLYBAC #1618 can be applied by squeegee, brush, roller or spraying.
- 2) Clean surface by shotblasting or sanding to provide clean and open surface.
- 3) Thoroughly mix measured amounts of 2 parts of Part-A Resin with 1 part of Part-B Hardener by volume until streak free. Scrape side and bottom of pail frequently during mixing to ensure a good mix. Mix only enough that can be applied in 15 minutes.
- 4) Spread mixed epoxy with squeegee and back roll with a 3'8" nap roller until spread evenly onto the

surface. Avoid puddles or "dry spots" for best results.

- 5) Immediately broadcast quartz aggregate "to rejection" into wet epoxy.
- 6) Re-coat within 12-24 hours.
- 7) Sand with 30 grit paper between re-coats over 24 hours old.

Consult Polygem for additional technical instructions for quartz broadcast.

#### Packaging

POLYBAC #1618 is available in 2 kit sizes: 3 Gallon Kits and 15 Gallon Kits.

#### Colors

POLYBAC #1618 is available clear, white, lt. gray, steel gray, sand beige, cool blue & safety yellow.

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 24 months.

#### Limitations

- Not for use on contaminated or oily surfaces.
- Do not install when surface temperature is below 32°F (7°C) or above 85°F (32°C).
- During damp and/or cool conditions epoxy will cure slower and protect finished work from traffic until fully cured.

#### Cautions

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- POLYBAC #1618 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  
Test/Test Method Results

Pot Life @ 77°F (100 gms)	28 mins.
Tack-Free Time @ 77°F	3 hours
Tack-Free Time @ 40°F	15 hours
Compressive ASTM D-695	11,100 psi
Compressive Modulus	289,000 psi
Tensile Strength ASTM D-638	9,100 psi
Flexural Strength	14,900 psi
Elongation ASTM D-638	4.7% min.
Mix ratio by volume	A/B 2:1
Mixed Viscosity	860 cps

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