

POLYBAC #1618 GEL

NON-SAG EPOXY GEL

Data Sheet C-29

1. PRODUCT NAME

POLYBAC #1618 GEL

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

POLYBAC #1618 GEL is a clear (translucent) very high viscosity 100% solids epoxy formulated for filling large cracks and joints, patching. POLYBAC #1618 GEL is an easy to mix 2 to 1 by volume ratio and its high non-sag viscosity allows for use on vertical applications such as troweled coverings and patching or cracked concrete risers or overhead repairs. #1618 GEL is very resistant to most chemicals and solvents. POLYBAC #1618 GEL is non-blushing and completely compatible with our #1618 floor coating.

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 GEL is ideal for use on:

- Troweled wall coverings
- Non-moving Cracks & Joints
- Joint Nosing Repair
- Patching holes and spalls
- Machine Bases
- Anchor bolting
- Epoxy Mortars and Grouts

4. APPLICATION INSTRUCTIONS

- 1) Clean surface by shot-blasting, grinding or sanding to provide clean and open surface.
- 2) 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.
- 3) Apply mixed epoxy with squeegee, pour spout container, or squeeze bottles.
- 4) Use backer rod or prefill larger cracks with sand to help minimize loss of material into sub-base.

- 5) #1618 GEL may be mixed with sand or dry powder fillers to make patching mortars and grouts.

Packaging

POLYBAC #1618 GEL is available in 3 kit sizes: 1-1/2 gallon kits, 3 Gallon Kits and 15 Gallon Kits.

Colors

POLYBAC #1618 GEL is clear and also available in 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 GEL 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)	20 mins.
Tack-Free Time @ 77°F	2 hours
Tack-Free Time @ 40°F	6 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	80,000 cps

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