

1. PRODUCT NAME

1618

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

1618 is a fast-curing, epoxy resin specially formulated for use as a seamless flooring base and top-Coat. An easy to mix 2 to 1 by volume ratio and its medium viscosity allows for easy vertical applications. 1618 is ideal for small areas or areas of critical service that demand a prompt return to service. Resistant to most chemicals and solvents. 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

- 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. 1618 can be applied by squeegee and roller or brush.
2. Clean surface by shotblasting or grinding to provide clean and open surface.
3. Thoroughly mix measured amounts of 2 parts of "A" Resin with 1 part of "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. Apply 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 or flake "to rejection" into wet epoxy, topcoat in 6-8 hours.

6. For Neat Coat, re-coat within 24 hours.
7. Sand with 30-60 grit paper between re-coats over 24 hours old.

Consult Polygem for additional technical instructions for quartz broadcast.

Packaging

3 Gal, 5 Gal and 15 Gal Kits.

Colors

Clear, Light Gray, Medium Gray, Dark Gray, Beige, Crème, Tile Red, Jute Brown, True Blue and Black. Custom Colors available.

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

Not for use on contaminated or oily surfaces. Do not install when surface temperature is below 32°F or above 85°F. During damp and/or cool conditions epoxy will cure slower, 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. 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

Pot Life @ 77°F (100 gm)	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	2:1 A/B
Mixed Viscosity	860 cps

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