

POLYBAC #2089FS

FAST-CURE EPOXY COATING

Data Sheet C-15

1. PRODUCT NAME

POLYBAC #2089FS

2. MANUFACTURER

Polygem, Inc.
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3. PRODUCT DESCRIPTION

POLYBAC #2089FS is a fast-curing, epoxy resin specially formulated for use as a base-coat in quartz broadcast seamless flooring applications which will allow for a double broadcast or top-coating in a little as 2 hours. POLYBAC #2089FS 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 #2089FS is ideal for small areas or areas of critical service that demand a prompt return to service. POLYBAC #2089FS is resistant to most chemicals and solvents. POLYBAC #2089FS is non-blushing and the resin system of choice for cool/humid floors. The POLYBAC #2089FS when mixed with clean dry silica sand, is also ideal for use as an epoxy mortar or grout for fast-track repairs and even cold weather applications.

Advantages

- Fast-setting/fast-curing formula.
- No VOC's or Solvents
- 100% solids
- Cures under cool/humid conditions

Uses

For the patching and repair of worn metal or concrete surfaces that are exposed to abrasive environments. POLYBAC #2089FS is ideal for use on:

- Quartz Broadcast Flooring
- Primer Coats
- Crack Sealing
- Laminating Dissimilar Surfaces
- Epoxy Mortars and Grouts
- Chemical and Corrosion Resistant Coating

4. APPLICATION INSTRUCTIONS

- 1) POLYBAC #2089FS 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.

Consult Polygem for additional technical instructions for quartz broadcast.

Packaging

POLYBAC #2089FS is available in 2 kit sizes: 3 Gallon Kits and 15 Gallon Kits.

Colors

POLYBAC #2089FS 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 #2089FS 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)	18 mins.
Tack-Free Time @ 77°F	3 hours
Tack-Free Time @ 40°F	10 hours
Compressive ASTM D-695	11,100 psi
Compressive Modulus	289,000 psi
Tensile Strength ASTM D-638	9,100 psi

Polygem, Inc. warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current physical properties when applied within Polygem's directions and tested in accordance with ASTM and Polygem standards. Polygem, Inc.'s liability is limited to replacement of material found defective. As Polygem, Inc. has no control over the use to which others may put its products, it is recommended that the product be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.

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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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