

1. PRODUCT NAME

2089 FS

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

2089 FS is a fast-curing, epoxy resin specially formulated for use as a basecoat for seamless broadcasted flooring applications which will allow for a double broadcast or top-coating in a little as 2 hours. Easy to mix 2 to 1 by volume ratio. The low viscosity allows for easy to spread thin-coat applications. Ideal for small spaces or areas of critical demand for a prompt return to service.

Resistant to most chemicals and solvents. Non-blushing and the resin system of choice for cool/humid floors. When mixed with clean dry silica sand, is also ideal for use as an epoxy mortar or grout for fast-track repairs and including cold weather applications.

Advantages

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

Uses

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

4. APPLICATION INSTRUCTIONS

1. 2089 FS can be applied by squeegee and roller or brush.
2. Clean surface by shot blasting or grinding 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. Apply 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 aggregate to rejection into wet epoxy.

Consult Polygem for additional technical instructions for broadcasting.

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.

2089 FS / Rev. 1-17-22

Data sheets are subject to change without notice.

Packaging

1.5 Gal, 3 Gal, 5 Gal and 15 Gal Kits.

Colors

Straw, 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 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. 2089 FS 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)	18 mins.
Tack-Free Time @ 77°F	2 hours
Tack-Free Time @ 40°F	8 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