

## FR 89 low epoxy filler

### Description

FR 89 is a two-pack, ambient curing, pigmented, low VOC epoxy filler possessing excellent durability and chemical resistance. This combination of properties makes it an ideal ground coat to enhance the appearance of either epoxy or polyurethane top-coats used on the external structure of aircraft.

FR 89 is approved to the following specification: Def Stan 80-161

For further information on product specification requirements, please contact PRC-DeSoto International.

### Application properties (typical)

(At 23°C, 75%RH unless otherwise stated)

#### Product code numbers

Base	FR 89
Activator	ACT 205

#### Flash points, (Seta)

FR 89	-18°C
ACT 205	23°C

#### Mixing ratio, by volume

Base:activator	3:1
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#### Volatile organic compound (VOC), mixed ready for use

(ASTM-D 3960)  
(350 g/litre)

#### Viscosity

Do not add thinners of any type.

#### Coverage, mixed ready for use, theoretical value, no loss

@ 40 microns film thickness	17 m <sup>2</sup> /litre
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Pot life 2 hours

Dry to flatting and overcoating 8 hours

#### Force drying

@ 70°C 3 hours

@ 125°C 1 hour

Full cure 7 days

FR 89 is compatible with all types of spray equipment. For details on the application parameters please call PRC-DeSoto International.

Colour	White
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### Performance properties (typical)

When tested with PR 205 and EC 96 over sulpho-chromic pickle pre-treatment FR 89 will pass or exceed the requirements of DEF STAN 80-161/1, e.g.:

#### Flexibility

Mandrel @ 0°C (ISO 1519)	12.5 mm
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#### Water resistance

24 hours @ 23°C (ISO 1521)	
Scratch hardness, (ISO 1518)	1200 g

### Storage life

The storage life of FR 89 is twenty four months from date of manufacture when stored at temperatures between 5°C and 35°C in the original unopened containers. Partly used containers must be re-sealed immediately after use. Once opened, activator ACT 205 must be used within two months.

### Health precautions

This product is safe to use and apply when recommended precautions are observed. Before using this product read and understand the Material Safety Data Sheet which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid overexposure. Obtain medical care in case of extreme exposure.

**Note:** The application and performance property values above are typical for the material but are not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations.

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All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.