

Description

APF 6 Orange is a quick setting industrial use filler paste. It has been specifically formulated for the repair of nicks, cracks, holes, or gouges in the surface of production FRP molds. This product has a very smooth, creamy consistency that allows the user to make fast, long lasting repairs with minimal air entrapment. APF 6 Orange is also highly chemical resistant and can be used in temperatures up to 400°F / 204°C. Best of all, APF 6 Orange is a low odor product and contains no styrene. Common uses include repairing FRP molds, pattern repairs, high temperature repair of vacuum molds, plastic mold repairs, model filler, and cultured marble repairs.

Properties

- Exceptional adhesion
- Very quick setting
- Minimal shrinkage
- Excellent finishing and machinability
- Easy to use

PHYSICAL PROPERTIES				
		APF 6	Cream Hardener	Mixed
Composition		Polyester Resin	BPO	
Mix ratio – by weight		100	2	
Aspect		Thixotropic paste	Thixotropic paste	Thixotropic paste
Color		Orange	White, Black, Red	Varies
Density at 77°F (25°C)	lbs./gal (g/cc)	12.5 (1.50)	10.0 (1.20)	12.4 (1.49)
Pot life (100 g) at 77°F (25°C)	minutes			13 – 18
Volumetric weight	lbs/in ³ (g/cc)			0.054 (1.49)

Processing Conditions

- Thoroughly blend 100 parts resin with 2 parts hardener by weight for 1 to 1 ½ minutes in a clean dry container or on a clean dry surface.
- Carefully scrape the surfaces while blending to ensure complete mixing and uniformity.

Surface Preparation and Application

- The area to be filled or repaired should be thoroughly cleaned, roughened, cleaned again and allowed to dry prior to application to ensure the best possible adhesion.
- The mixed APF 6 should be buttered into the area, avoiding trapping air during application.
- After curing to a tack-free state, the material can be sanded and finished as needed.

MECHANICAL AND THERMAL PROPERTIES			
Hardness	ASTM D-2240	Shore D	88 – 90
Tg	ASTM E-1545	°F (°C)	150 (66)
Tensile strength	ASTM D-638	psi (MPa)	3,300 (23)
Flexural strength	ASTM D-790	psi (MPa)	6,300 (43)
Compressive strength	ASTM D-695	psi (MPa)	10,600 (73)
Peak service temperature		°F (°C)	400 (204)

Storage Conditions

- Product is guaranteed for 12 months when stored in original unopened containers between 59 – 77°F (15 – 25°C). Any opened can must be tightly closed.

Handling Precautions

Normal health and safety precautions should be observed when handling these products :

- Ensure good ventilation
- Wear gloves, and safety glasses.

For further information, please consult the material safety data sheet.

Guarantee

The information contained in this technical data sheet result from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON guarantee the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications

AXSON NA USA

1611 Hults Drive
Eaton Rapids, MI
48827

Tel. (517) 663-8191
Fax (517) 663-0523
Email : info@axson-na.com

AXSON GmbH

Dietzenbach
Tél. (++49) 60 74 407110

AXSON Italie
Saronno
Tel. (++39) 02 96 70 23 36

AXSON IBERICA

Barcelona
Tel. (++34) 93 225 16 20

AXSON UK Limited
Newmarket
Tel. (++44) 1638 660 062

AXSON BRASIL

Sao Paulo
Tel. (++55) 11 5687 7331

AXSON MEXICO
Mexico DF
Tel. (++52) 55 5264 49 22

AXSON SHANGHAI

Shanghai
Tel. (++86)-58 68 30 37

AXSON France
Cergy
Tél. (++33) 1 34 40 34 60
Email : axson@axson.fr

AXSON JAPAN

OKAZAKI CITY
Tel.(++81) 564 26 2591