



MICRO-ULTRA 15-3
LIGHT WEIGHT
FIRE RETARDANT FILLER
WHITE – USE W/BPO PASTE



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DESCRIPTION

MICRO-ULTRA 15-3 set fast filler paste is a rigid, light weight (low density) system meeting FAR 25.853a for the stringent requirements of the aerospace and aircraft industries. New technology and space age materials have made possible a weight reduction in applied product of 30-35%. It is an ideal material for repair and surface finishing of interior composites that is qualified to several OEM specifications *. The chemical resistance of MICRO-ULTRA 15-3 is excellent; the system will withstand the cleaning solutions used in routine maintenance. MICRO-ULTRA 15-3 offers the user a smooth, creamy system with high physical properties and less added weight. MICRO-ULTRA 15-3 is non-conductive and has excellent finishing properties. MICRO-ULTRA 15-3 has excellent bonding and filling qualities with fiberglass, SMC, BMC, RIM, FRP, graphite and Kevlar® composites. It withstands vibrations and impact without loss of bond or surface webbing. MICRO-ULTRA 15-3 can be applied by splining, squeegee, spatula or any flat type tool. Once set, it can be finished by mechanical or hand sanding or grinding. Decorative coverings are also workable; MICRO-ULTRA 15-3 does not bleed out. **Typical applications include: Filling porosity and cloth impression in prepreg composites, filling porosity and surface blemishes on exterior composites, surface filling on interior composites, renewing and repairing broken or cracked areas, overhaul and refinishing on interior parts, many more areas of final fabrication and finish.**

TYPICAL HANDLING CHARACTERISTICS @ 77°F/25°C

Mix Ratio (parts by weight or volume)	100R/2H (red cream hardener)
Mixed Viscosity	Thixotropic Paste
Mixed Consistency	Creamy Paste
Specific Gravity	1.2 g/cc
Work Life (50 gram mass)	4-8 minutes
Finish Schedule	12-15 minutes
Hardness	75-77 Shore D
Resin Shelf Life (in original unopened containers).....	6 months from date of receipt
Cream Hardener Shelf Life	18 months from Date of Manufacture
Storage Requirement.....	40°F-80°F (4°C-27°C)

TYPICAL PHYSICAL PROPERTIES

Tensile Strength (ASTM D-638)	1,887psi (13MPa)
Flexural Strength (ASTM D-790)	2,790psi (19MPa)
Flexural Modulus (ASTM D-790)	438,000psi (3,020MPa)
Compressive Strength (ASTM D-695).....	5,672psi (39MPa)
Heat Deflection Temperature (ASTM D-648).....	128°F (53°C)
Coefficient of Linear Thermal Expansion (TMA) (ppm/°F (°C))	18 (32)
Water Absorption (ASTM D-570).....	0.8%
(after 24 hours immersion in distilled water)	

Note: To increase work time, decrease cream hardener by one part
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* For details please reference OEM qualified product lists.

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