

Product Bulletin

CASS POLYMERS

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NO. 15-3
MICRO-ULTRA FILLER
LIGHT WEIGHT - FIRE RETARDANT
WHITE - USE W/ OXIDE BPO

0302

DESCRIPTION

No. 15-3 MICRO-ULTRA SET FAST FILLER PASTE is a rigid, light weight (low density) system which is fire retardant and classified "NO BURN" for the stringent requirements of the aerospace and aircraft industries. New technology and space age materials have made possible a weight reduction in applied material of 30-35%. It is an ideal material for repair and surface finishing of interior composites when *OEM regulations must be complied with. The chemical resistance of No. 15-3 is excellent; the system will withstand the cleaning solutions used in routine maintenance. MICRO-ULTRA FILLER No. 15-3 offers the user a smooth, creamy system with high physical properties and less added weight. No. 15-3 is non-conductive and has excellent finishing properties. No. 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 FILLER No. 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; No. 15-3 does not bleed out.

USES

- Filling porosity and cloth impression in prepreg composites
- Filling porosity and surface blem 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

HANDLING CHARACTERISTICS @ 25°C/77°F

Mix Ratio (parts by weight or volume).....	100R/2H
Mixed Viscosity (100 gram mass)	Thixotropic Paste
Mixed Consistency	Creamy Paste
Specific Gravity	1.2 grams/cc
Density	10 lb/gal
Work Life (100 gram mass)	4-6 minutes
Finish Schedule (100 gram mass)	12-15 minutes
Hardness	75-77 Shore D
Storage Life (@ 25°C/77°F; containers tightly closed).....	6 months from date of receipt by customer

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PHYSICAL PROPERTIES

Tensile Strength (ASTM D-638).....	1,887 psi
Flexural Strength (ASTM D-790)	2,790 psi
Flexural Modulus (ASTM D-790)	4.38 x 10 ⁵ psi
Compressive Strength (ASTM D-695)	5,672 psi
Heat Deflection Temperature (ASTM D-648)	127.76°F/53.2°C
Coefficient of Linear Thermal Expansion (ASTM D-696).....	1.80 x 10 ⁻⁵ in/in°F
Water Absorption (ASTM D-570)	0.819%
(after 24 hours immersion in distilled water)	

Note: To increase work time, decrease cream hardener by one part
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* Ref: FAA Reg 25.853a/ Boeing BMS 5-136atTypell Class 1/ DeHaviland DSC-206-1/DSC-206-2/DSC-206-3

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