MAS
TIME SAVING EPOXY RESINS

FAIRING COMPOUND

EASY SAND EPOXY FAIRING PUTTY

TECHNICAL DATA BULLETIN

SYSTEM BENEFITS:

MAS Fairing Compound is a lightweight two-component epoxy putty that can be used for fairing, filling, shaping and repair. It has a convenient 1:1 mix ratio by volume and undergoes a yellow plus blue makes green color change to ensure it is properly mixed. It has excellent sag resistance for application to vertical or inclined surfaces and is easily to sand when cured. At 70°F MAS Fairing Compound is sandable in just 6 hours. It also has excellent moisture resistance and can be used above or below the water line on a variety of substrates; including fiber reinforced plastics (FRP), aluminum, steel and wood.

- Simple 1:1 mix ratio with color indication to ensure proper mixing
- Dust from sanding falls making it easier to see when you sand
- Excellent sag resistance for vertical surface application from a lightweight compound

HANDLING PROPERTIES	FAIRING COMPOUND	Test Method
Resin Color	Yellow	Visual
Hardener Color	Blue	Visual
Resin Density at 25°C, lbs/gal	7.0	ASTM D1475
Hardener Density at 25°C, lbs/gal	6.4	ASTM D1475
Mix Ratio by Weight	100A : 90B	Calculated
Mix Ratio by Volume	1A : 1B	Calculated
Mixed Appearance	Green Paste	Visual
Work Time at 70°F, 150g mass, mins	30	ASTM D2471
Tack Free Time at 70°F, hours	2	
Time to Sand at 70°F, hours	6	
Vertical Sag Resistance, inches	> 1.0	Vertical Surface
Application Temperature, °F	50-100	
Minimum Shelf Life, years	1	

INSTRUCTIONS FOR USE:

For best results surfaces to be faired should be sanded with 60-180 grit sandpaper down to solid material. Remove all sanding residue with brush, broom, compressed air or vacuum (vacuum cleaning is preferred). Clean the surface after sanding to remove dirt, dust, grease, oil and water by wiping it with a solvent such as acetone or denatured alcohol. Measure and mix only as much MAS Fairing Compound as can be applied in the indicated work life and apply at 50°F or above. When top coating or applying multiple coats of fairing compound sand the surface with 220-320 grit sandpaper and repeat the cleaning procedures described above to ensure good adhesion between coats.

MIXING:

Combine the yellow epoxy resin (Part A) and blue hardener (Part B) at the specified mix ratio of 1 to 1 by volume and mix for 3-5 minutes or until the putty is uniformly green in color. Take care when mixing not to entrain excessive air in the mixture. Always use clean dry tools for mixing and applying.

STORAGE AND CRYSTALIZATION:

Store between 60-90°F in a dry place. After use, tightly reseal all containers and store products on a raised surface during cold weather and avoid storing near outside walls or doors. If available, Purge with dry nitrogen to preserve color and minimize moisture contamination. Do not allow to freeze during winter storage. Do not use material with any signs of crystallization such as solid chunks, grainy texture or white color. Crystallization can be reversed by heating the material to 125-140°F, and stirring occasionally, until all crystals dissolve.

SAFETY HANDLING:

Wear protective gloves, clothing, and eye/face protection. Use only outdoors or in a well-ventilated area. Avoid contact to the skin and eyes. Avoid breathing dust, fumes, gas mist, vapors and spray. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. These products may cause skin and respiratory allergic reactions. Consult product Safety Data Sheets for complete precautions for use of this product.

Polytek Development Corp has experience only in the compounding of resins and hardeners and not in the actual manufacture of tools or parts. Each piece is different. The user should run tests to assure the suitability of the system for use in a particular application. The test data and results set forth herein are based on laboratory work and do not necessarily indicate the results that the buyer or user will attain.

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