

TotalBoat TotalFair -- Technical Data Sheet**SUPPORT PRODUCTS:**

Cleanup: Clean up with acetone before product is cured. Once cured, it must be removed mechanically.

Associated Products: Acetone, denatured alcohol

COMPATIBLE SUBSTRATES:

Fiberglass: Yes

Steel: Yes

Aluminum: Yes

Wood: Yes

Previously Painted Surfaces: Epoxy products or 2-component urethanes only. Remove all other coatings down to bare substrate.

SURFACE PREPARATION:

Fiberglass: * The surface must be cleaned of all dust, dirt, grease, oil, water, or other other contaminants.

* Sand or grind the surface with 80-grit or coarser sandpaper.

* Remove all sanding residue. Thoroughly wipe the surface clean with acetone or denatured alcohol.

Steel: * The surface must be cleaned of all dust, dirt, grease, oil, water, or other other contaminants.

* Thoroughly grind or sandblast.

* Remove all sanding or blasting residue. Wipe the surface clean with acetone or denatured alcohol.

Aluminum: * Thoroughly sand or blast bare aluminum to bright, shiny metal.

* Remove all sanding or blasting residue (sweep, brush, or vacuum).

* **STRONGLY RECOMMENDED:** Apply TotalBoat Aluminum Boat Etch Wash, as directed, for maximum barrier coat adhesion.

Wood: * The surface must be completely free of any dust, grease, oil, water, or other contaminants.

* Sand the surface to be faired using a coarse sandpaper of 80-grit or rougher.

* Remove all sanding residue. For white oak or any oily hardwoods, wipe the surface clean with acetone prior to application.

Previously Painted/Primed Surfaces: **IMPORTANT:** TotalBoat TotalFair will not adhere properly to 1-component paints or primers. Always ensure that the previous coating is epoxy, polyester, or a 2-component urethane in good condition, with good adhesion.

* The surface must be completely free of any dust, grease, oil, water, or other contaminants. Completely remove any coatings that do not have excellent adhesion to the surface.

* Sand the surface to be faired using a coarse sandpaper of 80 grit or rougher.

* Remove all sanding residue. Wipe the surface clean thoroughly with denatured alcohol or acetone.

APPLICATION:

1. Only apply TotalFair when environmental conditions allow for proper mixing and cure. Measure and mix only as much TotalFair as can be applied in the indicated working life, and do not apply below 50°F.
2. Always start with clean tools and mixing surfaces. 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 whip excessive air into the mixture.
3. Filling holes up to 3/4" thick may require a second pass, once cured.
4. When fairing a large gouge (maximum depth fill), a 6:1 width-to-depth ratio is recommended per application. For deep/narrow areas that exceed 6:1, apply TotalFair in stages, building up each time.
5. Measure and mix only as much TotalFair as can be applied in the indicated work life, and apply at 50°F or above.
6. It is recommended to sand as soon as it is cured enough to sand. If TotalFair is allowed to sit more than 2 days, it can become harder to sand.
7. Overcoat sanded TotalFair with paint, primer, epoxy primer, or more TotalFair.
 - ** DO NOT apply gelcoat directly to TotalFair. It will not cure properly. Before applying gelcoat, overcoat TotalFair with an epoxy barrier coat or epoxy surfacing primer.
 - ** TotalFair is a non-blushing epoxy product, but it is recommended to wash cured TotalFair with water and a mild soap before sanding or overcoating, in case there is any amine blush.

PRODUCT STORAGE:

STORAGE: Store at 60-90°F, in a dry place. After use, reseal all containers tightly. When storing product for an extended period over 1 month, it is recommended to cover the product with poly sheeting or plastic wrap before putting the lid on, to help retain consistency and keep out contaminants.

IMPORTANT!! Store products on a raised surface off the floor during cold weather, and avoid storing near outside walls or doors. Epoxy resins that are contaminated with dust or moisture, or are subjected to low temperatures, may crystallize.

If TotalFair has crystallized: Storing TotalFair in temperatures below the recommended range can result in crystallization, which can be fixed. A crystallized resin or hardener can be returned to its original state by heating the material to 140°F-150°F and stirring until it returns to the liquid state. Placing the sealed tub of TotalFair into a few inches of water heated to 150°F, and adding hot water as needed to keep the temperature up, will undo the crystallization. You can also place the tub of TotalFair into a zipper-type plastic bag and remove all of the air in the bag before placing it in hot water.

Safety & Handling: Always work in well-ventilated areas using gloves, eye protection, and clothing protection. Avoid contact to the skin and eyes. Avoid clothing contamination. Wash hands thoroughly after handling. These products may cause skin and respiratory allergic reactions. Consult Safety Data Sheets (SDS) for complete health and safety information. When sanding, always use proper eye protection and a proper respirator.

WORKING PROPERTIES:

Application Method: Spreader, trowel

Application Temperature: 50-100°F

Working Time, 150g mass, minimum 15-20 minutes @ 90°F
30 minutes @ 70°F
45-60 minutes @ 50°F

Tack-Free Cure @70°F 1 hour @ 90°F
2 hours @ 70°F
4 hours @ 50°F

Time to Sand: 3 hours @ 80°F
6-8 hours @ 70°F
12 hours @ 50°F

Shelf Life: 1 year, minimum

PHYSICAL DATA:

Components: Two - Resin and Hardener

Vehicle Type: Epoxy Resin

Resin Color: Yellow

Hardener Color: Blue

Mixed Color/Consistency: Green paste

Mix Ratio (by Volume): 1A to 1B

Mix Ratio (by Weight): 100 A to 90B

Sag Resistance (Mixed): >1" (Vertical Surface Test)

Weight (lbs/gal): 11

Resin Density (lbs/gal): 7.0

Hardener Density (lbs/gal): 6.4

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