

4100

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Polyester Fairing Compound



Polyester Fairing Compound is fibrous filler for structural repairs, bonding, and part fabrication. This smooth, white thixotropic paste system is great for rebuilding broken, void, or damaged areas in composites and other materials. Unlike other body fillers, #4100 Polyester Fairing Compound exhibits low shrinkage, high impact strength, and excellent temperature and chemical resistance. It is easy to mix, has excellent adhesive qualities, low moisture absorption, and can be applied in varying degrees of thickness. Use this versatile Polyester Fairing Compound to permanently repair damage on a boat or to smooth and shape the external surface of a part.

Using this fairing compound is simple. After prepping the surface and mixing #4100 with a BPO Hardener, the fiber-filled paste can be applied and smoothed with a squeegee or spreader. To achieve a smooth, cosmetic surface after using #4100 Polyester Fairing Compound, use #4116 Lightweight Polyester Cosmetic Filler compatible with Epoxy Resin, Polyester Resin and Vinyl Ester Resin. Requires BPO Hardener - 100R:2H (parts by weight).

To get the best mechanical bond, it is recommended to use #4100 Polyester Fairing Compound on rough or fibrous surfaces. Bonding applications include: composite repair, marine fabrication, FRP composites to FRP, metal inserts to fiberglass, metal to concrete, detail blocks to FRP, wood to wood bonding, and metal to metal bonding.

4100/264-A Kit contains 1 Quart Polyester Fairing Compound & 1 oz tube of White BPO Hardener. 4100/264-B Kit contains 1 Gallon Polyester Fairing Compound & 4 oz tube of White BPO Hardener.

Property	Product Standard
Work Life (100 gram mass)	8-10 Minutes
Storage Requirement	40-80°F
Finish Schedule @ 77°F	15-30 Minutes
Specific Gravity	1.36-1.40
Viscosity	Creamy Non-Sag Paste
Catalyst	2% BPO Cream
Cured Properties 77°F	Product Standard
Tensile Strength	>2,419 psi
Tensile Modulus	>398,000 psi
Tensile Elongation	1.2-1.4%
Flexural Strength	>4,360 psi
Flexural Modulus	>216,000 psi
Heat Deflection @ 66 psi	130°F
Moisture Absorption (24 hr)	1.2%
Hardness	83 Shore D