

Marine Grade Resins

Tool Making Materials

BC5010

BC 5010 is a high quality, low viscosity room temperature curing laminating resin. A Safety System for the production of a variety of dimensionally stable fiberglass tools. BC 5010 features low odor and rapid "wet-out" with no vertical drain off. An excellent general purpose laminating resin to meet the tooling requirements for automotive, aircraft and foundry.

Features:

Mix ratio: 100:16 by wt.
 Mix ratio: 100:22 by vol.
 Pot life: 25-30 minutes
 Viscosity (Mixed)@ 75F: 3,200cps
 Cure schedule: 8-12 hours
 Color: White or Blue

BC6005 Epoxy Surface Coat

A room temperature cure system that offers ample working time yet affords quick-tack for lamination. BC 6005 may be applied easily with a brush or troweled to vertical surfaces or over sharp radii without sag or fear of run-off. When cured, this resin system provides a hard tough chip-resistant surface.

Features:

Mix ratio: 100:16 by wt.
 Mix ratio: 100: 25 by vol.
 Pot life: 18-22 minutes
 Viscosity (Mixed)at 77F: Thixotropic
 Cure schedule: 8-12 hours
 Color: White

BP5601

BP5601 is an Epoxy laminating paste for constructing negative molds from models and masters. BP5601 has a strong and yet not highly abrasive property which allows for quick, large tool construction. With a 2 hour working time BP5601 allows enough time to build large tools.

Features:

Mix ratio: 100:15
 Pot life: 1hour
 Working time: 2 hours
 Hardness (shore D): 73 (+/-5)
 Cure time: 16 hours
 Compressive strength: 6,500psi
 Density (lbs/gal): 7.7(+/-2)
 Tg: 180°F
 Color: Gray



Part Making Materials

BC6004 Epoxy Surface Coat

BC 6004 is a white thixotropic epoxy surface coat that has the ability to cure and bond to freshly poured wet plaster. This formulated resin compound can be applied with a brush or troweled to a thickness of 1/8" or less on vertical surfaces or over sharp radius' without sag or fear of run-off. BC 6004 features moderate heat resistance and tracing hardness.

Features:

Mix ratio: 100:8 by wt.
 Mix ratio: 100:14 by vol.
 Pot life: 15-20 minutes
 Viscosity (Mixed)@ 75F: Thixotropic paste
 Cure schedule: 8-12 hour
 Color: White

BP2014

BP 2014 is a white epoxy laminating resin which provides quick wet-out of fiberglass cloth with easy brushing characteristics, while keeping run-off from vertical surfaces to a minimum. The resin is color indicated (green) and will turn white as the hardener is mixed into the resin. BP 2014 will have excellent physical properties when used for structural parts.

Features:

Mix ratio (by wt.): 100:20
 Viscosity (mixed): 2,700cps
 Pot life (min): 35
 Cure time (hrs)(72°F): 16
 Tensile strength (psi): 31,500
 Flexural strength (psi): 38,100
 Compressive strength (psi): 27,600
 Heat Deflection (°F): 160
 Color: White

Repair Making Materials

BC4570

Marine Grade Repair Filler

A multi-purpose two part filler paste developed for making quick repairs to a variety of substrates where service temperature exceeds 400°F (204°C). It exhibits good adhesion to SMC, FRP, hi-heat Epoxy molds, many metals, etc. BC 4570 can be readily shaped by filing, grinding or machining after cure. Excellent for under the waterline repairs and fairing compound applications

Features:

Mix ratio: 100:2
 Pot life: 6-8 minutes
 Viscosity: Thixotropic Paste
 Cure schedule: 15-20 minutes
 Heat distortion Temp: 260°F (127°C)
 Approvals: Boeing XBMS 5-136

BC4553

Instant Buildup Material, designed for repairing plastic surfaces and models. Recommended for SMC and FRP parts, Vacuum forming molds and a variety of surfaces. Produces a hard, strong chip resistant and tack free surface.

Features:

Mix ratio: 100:1 or 100:2
 Pot life: 5-10 minutes
 Viscosity: Thixotropic Paste
 Cure schedule: 20-60 minutes