

Foundry Grade



Pattern Materials

MB4000

Foundry Plank

BCC Products now offers a revolutionary state-of-the-art machineable foundry plank for today's demanding tooling requirements. MB4000 Red is an extremely tough, high impact Urethane Plank. MB4000 has these great qualities:

- * Excellent machinability
- * Low dust emission, mostly shavings
- * No shrinkage
- * Excellent impact and wear resistance
- * Excellent surface detail reproduction
- * Excellent surface finish
- * Polishable to a high gloss

Features:

Density(lbs/ft³; gms/cm³): 71/1.14
 Hardness: 86D
 Tg (°F): 240
 Heat Distortion (°F): 214
 CTE (in/in/°F): 35.60x10⁻⁶
 Color: Red
 Sizes: 2"-4"x16"x60" and 1"-6"x24"x60"
 Repair material: DP-11-75
 Adhesive: BC5003 Red

BC8860

Casting Urethane

BC8860 is a low viscosity two-component urethane casting compound that is specifically formulated for high abrasion and impact resistance.

Features:

Mix ratio: 100:60 by wt.
 Pot life: 18 minutes
 Viscosity (Mixed)@ 75F: 1,400-1,500
 Cure schedule: See Tech Datasheet
 Color: Amber, Black, Red



Pattern Materials

HPX-850

Backfill System

HPX-850 is a light weight, heat resistant, two component epoxy backfill system. Like BC 7020, the filler portion is pre-blended into the resin and hardener components for easier handling, thus simplifying the mixing process. HPX-850 features advantages such as low cost, long pot life, machinability, and low shrinkage. HPX-850 is ideally suited for numerous applications involving mold and core construction.

Features:

Mix ratio: 100:16 by wt.
 Pot life: 2-2.5 hours
 Viscosity (Mixed)@ 75F: Paste
 Cure schedule: See Tech Datasheet
 Color: Gray

BC8650 Kwik-Kast Blue

BC 8650 is an advanced fast cast polyurethane tooling system. BC 8650 features low viscosity, low exotherm and minimal shrinkage. Kwik Kast Blue cures hard, yet more durable resulting in less brittle parts. Designed for constructing patterns, prototypes, duplications, negatives, low temperature vacuum form tools, tracing models, etc.

Features:

Mix ratio: 1:1 by wt.
 Pot life (1lb. mass) @ 75F: 5-6 minutes
 Viscosity (Mixed)@ 75F: 2,120cps
 Demold time: 1-2 hours
 Color: Blue



Styrofoam Pattern Glue

BP8002

Styrofoam Pattern Adhesive

BP 8002 is a water-based latex-rubber adhesive used for the rapid build-up of styrofoam foundry patterns. BP 8002 contains a green dye for easier visibility. BP8002 has been specially formulated and fully approved for the "Full Mold Foundry Process" of direct metal casting using styrofoam patterns.

Features:

Viscosity: Brushable thixotropic
 Weight (per gal.): 7.6lbs
 Base: Liquid Latex dispersed in water
 Color: Green

BP8003

Styrofoam Pattern Adhesive

BP 8003 is a water-based latex-rubber adhesive used for the rapid build-up of styrofoam foundry patterns. BP 8003 contains a natural cream color to blend with styrofoam. BP8003 has been specially formulated and fully approved for the "Full Mold Foundry Process" of direct metal casting using styrofoam patterns.

Features:

Viscosity: Brushable thixotropic
 Weight (per gal.): 7.6lbs
 Base: Latex rubber dispersed in water
 Color: Cream