



BCC PRODUCTS, INC.

BLEHM PLASTICS

FAST CAST – EPOXIES – ADHESIVES - POLYSULFIDES - URETHANES – POLYESTER PASTES – TOOLING BOARDS – RELEASE AGENTS – SILICONES

EPOXY SURFACE COAT

(Heat Resistant) Gray

BC6126

Epoxy

BC 6126 is a gray, low toxicity, aluminum filled, epoxy surface coat. This thixotropic resin system provides excellent surface duplication along with vertical coverage to 1/16 inch thickness. This heat resistant system may be used at room temperature without post-curing. For use above 150°F a post-cure is required. **BC 6126** was engineered to replace VCHD and MDA systems while retaining excellent heat resistance. It is designed for consistent use up to 300°F.

BC 6126 was developed for:

- * Constructing vacuum form tools
- * RTM and RIM molds
- * Compression and injection molds
- * Matched dies

Working Properties

Mix Ratio (Resin/Hardener)	100 to 10 by wt. 100 to 15 by vol.
Viscosity (Brookfield) @ 75°F	Thixotropic Paste
Pot Life (1 lb. mass) @ 75°F	45 Minutes

Cure Schedule

BC 6126 can be removed from the mold after allowing to set overnight at room temperature. Postcure for applications requiring temperatures above 150°F can be accomplished in an oven or in use by a gradual heat rise; 2 hours @ 150°F, plus 2 hours @ 250°F, plus 2 hours at 300°F.

Physical Properties

Specific Gravity (gms/cc)	1.47
Weight/cu.in. (lbs.)	0.053
Hardness (Shore D) @ 75°F	90
Shrinkage (in./in.)	--
Tensile Strength (Ultimate) psi	5,800
Flexural Strength (Ultimate) psi	6,500
Compressive Strength (Ultimate) psi	28,000
Thermal Coefficient of Expansion in./in./°F	2.36 x 10 ⁻⁵
Heat Distortion Point 264 psi (Cast) °F	291

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