



BCC PRODUCTS, INC.



BLEHM PLASTICS

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

**BP 3180
SPRAYABLE
HIGH TEMPERATURE - ALUMINUM FILLED
EPOXY SURFACE COAT**

DESCRIPTION:

BP 3180 is a high-temperature, aluminum-filled epoxy surface coat which has an excellent spraying consistency. BP 3180 is formulated to have minimum skin irritation potential and avoids all carcinogenic materials in both the resin and hardener.

USE PROCEDURE:

Mix the resin and hardener in the ratio of 100 parts resin to 12 parts hardener, by weight. BP 3180 has a thixotropic consistency which prevents the sprayed coat from draining off vertical surfaces while waiting for it to firm up. Apply as many coats as required to achieve the desired thickness, allowing each coat to firm up before spraying the next coat. Delays between application of succeeding coats may be as long as 24 hours with excellent adhesion. When the finished tool is to be used at an elevated temperature, it should be given a post-cure. A suggested cure schedule is:

4 Hrs. @ 130°F
4 Hrs. @ 235°F

PROPERTIES:

Mix ratio - resin/hardener:	100/12 by weight
Pot life - 112 grams:	70 minutes @ 72°F
Specific gravity - resin:	1.390
Specific gravity - hardener:	1.011
Hardness:	Shore D 85
Heat deflection temperature:	235°F; post-cured

PRECAUTIONS:

Skin contact should be avoided. After using, clean hands with alcohol followed by soap and water. In case of eye contact, flush with water and consult a physician immediately. The use of a respirator is recommended when spraying any substance not normally found in a human respiratory tract. For further safety information, please see the MSDS.

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