



B-Stop **Boron Nitride Lubricant / Stop-off Coating** **Product Description**

B-Stop contains highly refined boron nitride particles suspended in ethanol with a special proprietary binder.

B-Stop is supplied in a convenient 500 ml aerosol package providing a dry film coating, which offers superior lubrication, excellent stop-off protection coating

B-Stop is easy to apply, fast drying at room temperature and adheres to all substrates compatible with the carrier.

B-Stop offers excellent adhesion to metals and most plastics. This feature, combined with high lubricity and elevated temperature protection makes B-Stop the most versatile aerosol available.

Product Features and Benefits

- ✓ HIGH LUBRICITY AND EXCEPTIONAL RELEASE
- ✓ EXCELLENT ADHESION TO METALS, GLASS, PLASTICS
- ✓ GOOD COVERING ABILITY
- ✓ FAST ROOM TEMPERATURE CURE
- ✓ GRANULOMETRIC DISTRIBUTION ALLOWS FILM THICKNESS OF .0003 -.0005 INCHES (.008-.013 MM)
- ✓ DOES NOT CONTAIN HALOGENS OR HYDROCARBONS
- ✓ PROVIDES FASTER START-UPS FOR TOOLING
- ✓ PROTECTS AND CONDITIONS DIES AND MOLDS DURING STORAGE
- ✓ RESISTS TEMPERATURES OVER 2192°F (1200°C)
- ✓ REDUCED DOWNTIME AND MAINTENANCE

Typical Applications

Lubrication

Hot tool assembly
Aluminum extrusion cold billet coating
Permanent mold release coating
Ladle & chute touch-up
Die and mold protection

Stop-off Coating

Ceramic welding nozzle protection
Stop-off coating for titanium SPFD
Anti-splatter coating
Heat treating coating



Physical Properties

DESCRIPTION	METHOD	VALUE
Lubricant	Boron Nitride	10% Solids
Appearance / Color	Visual	White
Shelf Life	Visual	1 Year
Flash Point	MCC 44	<20° F
Carrier	Visual	Ethanol
Particle Size	MCC 177	D90 < 4 micron

* MCC = CONDAT's Control Method

Method of Use

Surface Preparation

B-Stop adheres remarkably well to steel, aluminum, stainless steel, glass copper alloys, rubber and plastics, with a minimum of pretreatment. For optimum results, substrates should be cleaned with a solvent. Surfaces should be clean and dry before coating.

Application

The container should be shaken thoroughly before using. To ensure an even coating, spray about 8-10 inches from the substrate. Several light passes should apply the required coating thickness. After use, clean the nozzle by inverting container and pushing nozzle down until clear.

Curing

For general lubrication, the B-Stop coating is ready for use when dry to the touch – approximately 3 minutes at room temperature.
For ladle applications, air dry for 30 minutes, or air-dry for 5 minutes then bake for 5 minutes at 170° F (77° C).

Precautions

B-Stop is flammable. Do not use near sparks, heat or open flame. Use with adequate ventilation. Refer to Material Safety Data Sheet for first aid instructions.