



## DYLON GRADE AA ULTRA GRAPHITE COAT A SUPER HIGH TEMPERATURE LUBRICANT AND RELEASE AGENT

### DESCRIPTION:

**Dylon Grade AA** is a liquid concentrate of ultra fine colloidal particles with special stabilizing and protective additives in a non-smoking aqueous vehicle. It has the unique property of wetting hot surfaces up to 1000°F (550°C).

**Grade AA** may be brushed, sprayed, roller coated or dipped onto any surface. The water vehicle dries by evaporation, leaving a smooth, fine-grained high-density layer of graphite. The coating is very slippery and lubricious. It is an excellent release and anti stick material that will not react with, nor be wet by most molten metals.

The coating contains no metallic additives, silicones, or phosphates, will not crack, nor melt and run at any temperature, and is odorless. The dried coating will not attract dust or dirt like grease or oils. When no longer needed, it may be removed by washing with cold water. For many applications the concentrate is diluted with up to 30 parts of plain tap water to provide an extremely economical spray solution.

### CHARACTERISTICS:

Pigment:	Fine Graphite	Flashpoint:	None
Solids:	30 w/o	Shelf life:	1 Year, sealed
Density:	9.8 lbs./gal.	Diluent:	Water
Color:	Dark Gray	Freezing Point:	32°F (0°C)
Carrier:	Water	Consistency:	Fluid

### USE:

**Dylon Grade AA** is an effective non-polluting hot forming anti-stick and lubricant in the primary metal, glass, quartz, and ceramic industries. It is an excellent mold wash in the casting of aluminum, copper, lead, zinc, and manganese. Metal release from fire-cracked and worn anode molds, ingot molds, and notch bar molds is dramatically improved without pounding, prying, and hammering.

Cleaning of sand mixers, troughs, spouts, screws and slingers is almost effortless because no-bake resins/sands will not bond to clean surfaces that have been coated with **Grade AA**. Can be used as a release coating on molten metal delivery troughs and splash plates, and as dry lubricant for specialty bearing applications, e.g. lubricate roll bearings submerged in liquid zinc.

**Dylon Grade AA** is used as a mold wash in continuous casting of brass, and will reduce friction in hot or cold extrusion operations. It is effective as a release agent for metal-metal sliding surfaces such as "Slugger" shear blades and billet cooling bed dog troughs. Also used as a mold release for ceramic hot or cold pressing applications and as a release for dipping ladles.

### APPLICATION:

Stir contents thoroughly before use, as some settling will occur after standing. For the initial application, surfaces should be clean and free of grease or oils. The first coating may be brushed or sprayed full strength to establish a



ISO 9001:2000 CERTIFIED

## DYLON INDUSTRIES INC.

7700 CLINTON ROAD

CLEVELAND, OHIO 44144-1045

"Where Customers Turn Today for Tomorrow's Technology"

(216) 651-1300

1-800-237-8246

FAX (216) 651-1777

www.dylon.com

info@dylon.com

well-coated base. Subsequent applications may be diluted and applied by automatic spray equipment. The amount of dilution to be used will depend upon the amount of auxiliary cooling to be accomplished by the spray. For those conditions where considerable cooling is required, the dilution may be as great as 40 to 1, or more. In other cases where minimum cooling is required, the dilution may be as little as 1 to 1. In this case the frequency of application would normally be less. Continuous mild agitation is necessary to keep graphite in suspension when the concentrate is diluted.

For best results, **Dylon Grade AA** should be applied with good spray equipment. A properly sprayed film provides more uniform film thickness, lower frictional values and minimum product waste.

**PRECAUTION:**

If accidentally frozen, **Dylon Grade AA** should be thoroughly remixed with a high-speed mixer until all solids are again uniformly suspended. Containers should be tightly resealed after use to prevent evaporation and caking of the solids. Stir well before each use.

**PACKAGING:**

5 Gallon pails

55 Gallon drums