

***Performance Products for
Today's Technology...***

**GRA 51
Lubricant**

Product Description

GRA 51 is a boron nitride dispersion in an aqueous base formulated for use in elevated temperature applications.

GRA 51 is designed to be sprayed on hot surfaces and is effective to temperatures of 1400°F (815°C).

GRA 51 is particularly adapted for solving the problem of adhesion of hot aluminum to different substrates.

Product Features and Benefits

- ✓ PRODUCES A UNIFORM EVEN COATING
- ✓ CAN BE SPRAY APPLIED ON VARIOUS SUBSTRATES
- ✓ AN EXCELLENT STOP-OFF COATING AND PREVENTS DIFFUSION BONDING
- ✓ COMPATIBLE WITH AIRLESS, ELECTROSTATIC AND PRESSUREIZED APPLICATION SYSTEMS
- ✓ PROTECTS TOOLING
- ✓ SAFE TO USE AND STORE
- ✓ DRIES TO A HARD COATING AND REMAINS DRY EVEN DURING HIGH HUMIDITY PERIODS

GRA 51 can be used to reduce costs and significantly improve performance.

Applications

- Aluminum extrusion
- Stop-off coating
- Mold coating
- Ladle and Chute coating

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Physical Properties

DESCRIPTION	METHOD	VALUE
Viscosity - Ford Cup No. 4	MCC 42	30 s
Appearance	Visual	White Liquid
Specific Gravity @ 20° C (68° F)	MCC 168	9980 kg / m ³
Adhesion temperature limit	MIPAC	>1112°F (>600°C)
Carrier	None	Water

* MCC = Condat's Control Method

Method of Use

Dilution

GRA 51 is supplied in a RFU (ready-for-use) state and it is not recommended to dilute the product.

Application

GRA 51 must be mixed well before use and can be applied by spray to hot surfaces or brush to cold surfaces.

GRA 51 will not plug lines or nozzles and can be used safely in all types of equipment generally used in the application of pigmented lubricants.

Precautions

GRA 51 should be stored in a cool dry place. Partially used containers should be re-sealed to prevent contamination. It is recommended to maintain product temperature at room temperature and to occasionally stir during use. Please refer to the Material Safety Data Sheet for proper handling and first aid instructions.