



WATER BASED GRAPHITE COATING

What is a Water Based Coating?

A water based graphite coating is specially formulated to provide superior lubricating and a release film for high temperature applications. The coatings unique particle size and binder system combine to promote a tenacious graphite film for maximum protection against galling, soldering, and seizing.

Typical Applications

- Non-ferrous extrusion
- Aluminum permanent mold
- Low pressure casting
- Parting compound
- Ferrous, non-ferrous forging lubricant
- Chain and thread lubricant
- Hot zone bearing lubricant
- Anode stub coating and Ingot casting

Material Benefits

- Provides excellent coverage & maximum release characteristics
- Finer surface finishes in casting applications
- Superior adhesion and abrasion resistance
- Complete wetting of hot metal surfaces
- One year shelf life, unsealed.
- No VOCs

Method of Use

Material is a concentrate and should be diluted with distilled, demineralized or soft water prior to use.

The concentrate should be agitated prior to mixing. When mixing, slowly add water to the concentrate. Be sure to mix well throughout the water addition. The dilution ratio will vary depending on method of application and end use. The ratios typically vary between 1:4 in extrusion applications to 1:25 in permanent mold and parting compound uses. Periodic agitation (mechanical) is recommended while using diluted product.

Application

To achieve optimum film formation, the metal substrates should be heated to at least 200°F (93°C). In most applications, the product should be applied by spraying. However, it can be swabbed, dipped, or brushed. The diluted material should be periodically agitated to ensure consistent results.



Properties	Values
Lubricating Pigment	Graphite
Solids Content	22%
Consistency	Medium Thick Liquid
Diluent	Water
Density	9.5 lb/gal
pH	8
pH Tolerance	4-10
Freeze Data	32°F(0°C)
Shelf Life	One Year, unsealed
VOC	0.0 g/l