

Graphite



Asbury Carbons has tapped the full potential of graphite, a highly versatile material that possesses a wide range of unique properties. Graphite, a high-performance solid lubricant, resists extreme temperatures and pressures, while acting as an efficient conductor of heat and electricity. Our expert technical support and custom product design enable us to meet our customers' most exacting requirements across a broad line of specialty lubricants. Each product delivers unparalleled performance, even in the most demanding applications.

Types of Coatings



Asbury's metalworking coatings and specialty products are recognized worldwide as premier products for non-ferrous metalworking applications — offering excellent adherence, heat conduction with a low coefficient of expansion, and pressure resistance.

- Graphokote** — High-purity graphite lubricants; resistant to high temperature, pressure and chemical conditions; water-, oil- and solvent-based binder formulations..
- Aquakast** — Water-based graphite coatings specifically developed for high-temperature and high-wear applications.
- Borokote** — Water-based formulated boron nitride dispersion used in cast house and foundry applications.
- Kaskote** — Water-based bone ash coating that provides high heat transfer, fills in small voids, has excellent non-wetting properties and has low reactivity with metals. Also available in powder form.
- Zircon** — Ceramic water-based protective coating, both liquid and dry to prevent molten metal adhesion on ladels, thermocouple tubes, and additional ferrous

Boron Nitride



A highly versatile synthetic material with similar thermal conductivity and lubricating properties as graphite. Hexagonal boron nitride (hBN) is the crystalline powder often referred to as "white graphite." Boron nitride offers high-temperature resistance, is virtually chemically inert, and is electrically resistive for applications where graphite's conductivity is problematic. These products are available as thoroughly de-agglomerated platelets and customizable agglomerates.

Borokote, our proprietary line of high performance boron nitride coatings, is ideal for applications where extreme temperature resistance is required from a lubricant or release coating. We also offer a tinted Borokote with a high-temperature indicator for easy visibility on white ceramic substrates.

