HeBoCoat® PL-W 300

Power **L**ine - **W**ater + **BN**·10

HeBoCoat® PL-W 300 is a water based BN-coating with a Boron Nitride solids content of 30 %. The base material is a fine hexagonal Boron Nitride powder with good crystallinity, high puritry and fineness giving excellent coverage of the surfaces to be coated. Organic binder provide good surface adhesion and ensure ease of application. Special additives improve substrate wetting and reduce the tendency of the solids to settle over time.

Advantages

- Good surface adhesion
- Excellent lubricant and release properties
- High Boron Nitride content
- Easy to use
- Economical in use

Properties

- Excellent surface wetting and adhesion with respect to the vast majority of surfaces and substrates
- Organic binders decompose between 200 °C to 500 °C
- Temperature resistant, up to 900 °C in air
- Temperature resistant, up to 2000 °C under inert or vacuum conditions

Typical Areas of Application

- Release agent for carbon and graphite materials in silicon infiltration processes
- Protection of carbon and graphite from carburization in sintering and pressure sintering processess
- Release agent in coating processes

Recommendations for Processing

- Applied undiluted by spraying and paintbrush
- The coating is ready to use
- Shake well before use
- Apply only to clean, dust and oil free surfaces
- Before application by spraying, for thicker coats a surface temperature of approx. 100 °C is recommended in order to avoid the formation of noses or cracks
- No post-application temperature curing is required prior to use once the coating has dried
- Ensure coating has fully dried before bringing it into service
- Brushes and tools can be cleaned with water

Technical Data

Colour:	White
Solid content:	32 %
Boron Nitride:	30 %
Binder:	Polymer
Density:	1.20 g/cm³
pH-value:	8
Coverage:	15-25 m²/kg

Packing Units

- 1 kg and 10 kg in PE-can, 30 kg in PE-drum

Different packing units available on request.

Storage and Safety

Store in dry conditions and protect from frost. Minimum shelf life 12 months if stored in original packaging and under appropriate conditions. For further information please refer to the current safety data sheet.

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