

HeBoCoat® PL-E 200

Power Line - Ethanol + BN-10

HeBoCoat® PL-E 200 is a Boron Nitride coating in an ethanol base with the addition of organic binders. Because of its excellent release and lubricating properties it is frequently used in the sintering of diamond tools.

- Advantages**
 - ▶ Quick drying due to the ethanol solvent base
 - ▶ Good surface wetting
 - ▶ High Boron Nitride content
 - ▶ Easy to process
 - ▶ Economical in use

- Properties**
 - ▶ Good surface adhesion due to the film-forming properties of the binder
 - ▶ Excellent lubricating and release properties
 - ▶ At approximately 250 °C the binder decomposes, leaving a pure Boron Nitride coating with excellent lubricating and release action
 - ▶ Temperature resistant up to 900 °C in air
 - ▶ Temperature resistant up to 2000 °C under inert gas/vacuum

- Typical Areas of Application**
 - ▶ Release agent and protection against carburisation during the sintering of diamond tools
 - ▶ Lubricating agent when applying pressure to new extrusion tools
 - ▶ Release agent for sinter processes

- Recommendations for Processing**
 - ▶ Applied by painting or spraying
 - ▶ The suspension is ready to use
 - ▶ Shake well before use
 - ▶ Apply only to clean, dust and oil free surfaces
 - ▶ Thin coatings achieve better adhesion
 - ▶ Ensure the **HeBoCoat® PL-E 200** coating has fully dried prior to bringing it into use
 - ▶ The coating has dried when no solvent odour can be detected
 - ▶ Brushes and tools can be cleaned in ethanol

- Technical Data**
 - ▶ Colour: White
 - ▶ Solids content: 24 %
 - ▶ Boron Nitride: 20 %
 - ▶ Binder: Polymer
 - ▶ Solvent: Ethanol
 - ▶ Density: 0.93 - 0.98 g/cm³
 - ▶ Coverage: 7 m²/kg approximately

- Packing Units**
 - ▶ 1 l in screw cap tin,
 - ▶ 2.5 kg in PE-containers
 - ▶ 10 x 2.5 kg PE-containers per box



Storage and Safety This product is highly inflammable and in the context of transport regulations falls under the dangerous goods classification. Keep cool and dry. Minimum shelf life 24 months if stored in original packaging and appropriate conditions. For further information please refer to the current safety data sheet.

The data quoted in this leaflet are typical for the material. They are intended as a guide only and should not be used in preparing detailed specifications. Actual product data may deviate from the figures given. We reserve the right to alter product data within the scope of technical progress and new developments. Since processing involves factors that are beyond our control, recommendations made in this leaflet should be checked by preliminary trials, especially for third party applications. These recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, from clarifying the situation.