



**HeBoCoat® 400E** is a Boron Nitride coating in an ethanol base with the addition of an inorganic binder. The high temperature adhesive properties of the coating to metallic substrates, glass, ceramics and graphite are excellent.

- Advantages**
- ▶ Quick drying due to the solvent base
  - ▶ Good surface wetting
  - ▶ Easy to process
  - ▶ Economic in use
- Properties**
- ▶ Excellent surface adhesion due to the inorganic binder
  - ▶ Excellent lubricating and release properties even at high temperatures
  - ▶ Prevents the adhesion of metal, glass and polymer melts
  - ▶ Temperature resistant, up to 900 °C in air
  - ▶ Temperature resistant, up to 2000 °C under vacuum/inert conditions
- Typical Areas of Application**
- ▶ Release agent for sintering supports
  - ▶ Anti-spatter coating for welding and soldering applications
  - ▶ Protective coating in PVD equipment for easier cleaning
  - ▶ Release agent and lubricant in glass manufacture

- Recommendations for Processing**
- ▶ Applied by painting or spraying
  - ▶ The suspension is ready to use
  - ▶ Shake well before use
  - ▶ Apply only on clean, dust and oil-free surfaces
  - ▶ Thin coatings achieve better adhesion
  - ▶ Ensure the **HeBoCoat® 400E** 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
  - ▶ Boron Nitride: 12,5 %
  - ▶ Binder: SiO<sub>2</sub>
  - ▶ Solvent: Ethanol
  - ▶ Density: 0.90 g/cm<sup>3</sup> approximately
  - ▶ Coverage: 6 m<sup>2</sup>/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 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.