

HeBoCoat® EL-W 100

Expert Line - Water + BN-10

HeBoCoat® EL-W 100 is a water-based, ready-to-use boron nitride suspension that has been developed especially as a high-temperature release layer for forming processes. Thanks to the inorganic binder system, the product offers the optimum compromise between good substrate adhesion and a very good lubricating and release effect.

- Advantages**
 - ▶ Excellent protection of the moulding tool surfaces
 - ▶ Easy demoulding of complex components
 - ▶ Very good lubricating and release properties, even at high temperatures
 - ▶ Improves lifetime of machines and tools
 - ▶ Easy to process
 - ▶ Economical in use
- Properties**
 - ▶ Prevents the metallic component from sticking to the tool
 - ▶ Adhesion to various surfaces
 - ▶ Protection of component and tool surfaces
 - ▶ Temperature resistant up to 900 °C in air
- Typical Areas of Application**
 - ▶ Release layer/lubricating layer in hot forming processes
 - ▶ Interface in the forming process Superplastic Forming
- Recommendations for Processing**
 - ▶ The suspension is ready for use
 - ▶ Application by brushing on or spraying
 - ▶ Homogenise well before use (stir/shake)
 - ▶ Only apply to clean, dust- and grease-free surfaces
 - ▶ Preferably apply to slightly warmed surfaces
 - ▶ Thin application layers ensure better adhesion
 - ▶ The coating must be completely dry before use
 - ▶ Reduces the cleaning process
- Technical Data**
 - ▶ Colour: White
 - ▶ Solid content: 14 %
 - ▶ Boron Nitride: approx. 10.5 %
 - ▶ Binder: mineral
 - ▶ Density: 1.1 g/cm³
 - ▶ pH-value: approx. 9
 - ▶ Coverage: approx. 12.5 m²/kg
- Packing Units**
 - ▶ 10 kg in PE packaging
 - ▶ 200 kg in a plastic drum

Different packing units available on request.
- Storage and Safety**

Store in a dry place and protect from frost. Shelf life at least 12 months from date of delivery if stored properly in original container.
More information and safety instructions in the 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.