

# HeBoCoat® PL-WF 125

Boron Nitride Suspension

FORMERLY  
HeBoCoat® 433WF

**HeBoCoat® PL-WF 125** is a ready-to-use water based Boron Nitride coating incorporating inorganic binders. The phosphate binders ensure particularly effective adhesion to steel, even at high temperatures.

- Advantages**
  - ▶ Good surface protection
  - ▶ Excellent lubricant and release properties
  - ▶ Increases the service life of refractory materials and tools
  - ▶ Easy to process
  - ▶ Economical in use
  
- Properties**
  - ▶ Prevents melt adhesion to equipment, components and tools
  - ▶ Inorganic binder provides excellent surface adhesion
  - ▶ Can be applied to metallic surfaces at temperatures up to 500 °C
  - ▶ Temperature resistant up to 900 °C in air
  
- Typical Areas of Application**
  - ▶ Release agent and lubricant in the aluminium extrusion sector
  - ▶ Coating of the press block, container seal and shears in aluminium extrusion applications
  - ▶ Release agent in hot forming of aluminum
  
- Recommendations for Processing**
  - ▶ Applied by painting or spraying
  - ▶ Stir / shake coating prior to use
  - ▶ If required the coating can be diluted with little water
  - ▶ Apply only to clean, dust and oil free surfaces
  - ▶ Apply in thin and covering layers to ensure good surface adhesion
  - ▶ Spraying onto warm surfaces (150-200°C) improves the spray result and shortens the drying time
  - ▶ Temperature curing at 200 °C for 20 minutes increases the strength
  - ▶ Re-coat as and when required
  - ▶ Ensure the **HeBoCoat® PL-WF 125** has fully dried before allowing it to come into contact with the melt
  - ▶ Brushes and tools can be cleaned with water
  
- Technical Data**
  - ▶ Colour: White
  - ▶ Solids content: 17 %
  - ▶ Boron Nitride: 13 %
  - ▶ Binder: Boron compounds / Phosphate
  - ▶ Density: 1.08 - 1.12 g/cm<sup>3</sup>
  - ▶ pH-value: 1.7 - 2.3
  - ▶ Coverage: 10 - 15 m<sup>2</sup>/kg
  
- Packing Units**
  - ▶ 10 kg in PE-containers
  
- Storage and Safety**
  - ▶ Store in dry conditions, avoid frost. Minimum shelf life 12 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.