

# HeBoCoat® PL-W 310

Power Line - Water + BN-10

**HeBoCoat® PL-W 310** is a water based Boron Nitride suspension paste with a high solids content of up to 31 %. The product is free from organic constituents. As a result it does not exhibit any detrimental degasification characteristics, even at high temperatures. Due to its high viscosity the product will not sediment, even in periods of extended storage.

- Advantages**
  - ▶ High viscosity
  - ▶ High Boron Nitride content
  - ▶ Excellent lubricating and release properties
  - ▶ Will not sediment, even in periods of extended storage
  - ▶ Free from organic constituents
- Properties**
  - ▶ No degasification, even at high temperatures
  - ▶ Excellent coverage
  - ▶ Temperature resistant up to 900 °C in air
  - ▶ Temperature resistant up to 2000 °C under inert gas/vacuum
- Typical Areas of Application**
  - ▶ Release agent for graphite in siliconising processes
  - ▶ Protection against carburisation in sintering and pressure sintering applications
- Recommendations for Processing**
  - ▶ Application by painting
  - ▶ The suspension is ready to use
  - ▶ Stir prior to use
  - ▶ Can be diluted with water if required
  - ▶ Apply only to clean, dust and oil-free surfaces
  - ▶ Ensure the **HeBoCoat® PL-W 310** coating has fully dried prior to bringing it into use
  - ▶ Brushes and tools can be cleaned with water
- Technical Data**
  - ▶ Colour: White
  - ▶ Solid content: 30 % +/- 1 %
  - ▶ Boron Nitride: 30 % +/- 1 %
  - ▶ Binder: none
  - ▶ Density: 1.1 - 1.2 g/cm<sup>3</sup>
  - ▶ pH-value: 8.5 - 9.5
  - ▶ Coverage: 4 - 7 m<sup>2</sup>/kg
- Packing Units**
  - ▶ 1 kg and 10 kg PE-bucket

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 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.