



**HeBoCoat® 433W** is a pure, water based and ready-to-use Boron Nitride coating with inorganic binders for high temperature processes. It is particularly suited for use in aluminium casting processes.

- Advantages**
- ▶ Excellent surface protection
  - ▶ Excellent lubricant and release agent
  - ▶ Free of organic additives
  - ▶ No formation of decomposition gases
  - ▶ Improves lifetime of refractory parts and tools
  - ▶ Easy to process
  - ▶ Economic in use

- Properties**
- ▶ Prevents adhesion of molten metal to refractory parts and tools
  - ▶ Inorganic binder provides good surface adhesion
  - ▶ Can be applied to hot metal surfaces up to 500°C
  - ▶ Temperature resistant, up to 900°C in air

- Typical Areas of Application**
- ▶ Coating of cast iron molds in ingot casting
  - ▶ Coating of dummy blocks, container sealings and shear blades in Aluminium extrusion
  - ▶ Lubricant and release agent in hot forming processes

- Recommendations for Processing**
- ▶ Applied by painting and spraying
  - ▶ Stir / shake coating prior to use
  - ▶ If required the coating can be diluted with little water
  - ▶ Apply on 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
  - ▶ Re-coat as and when required
  - ▶ Ensure **HeBoCoat® 433W** has fully dried before allowing it to come into contact with the melt
  - ▶ Brushes and tools can be cleaned with water
  - ▶ For further details please refer to page 2



- Technical Data**
- ▶ Colour: White
  - ▶ Solids content: 16 %
  - ▶ Boron Nitride: 13 %
  - ▶ Binder: Boron compounds
  - ▶ Density: 1.10 g/cm<sup>3</sup>
  - ▶ pH-value: 8
  - ▶ Coverage: 10 -15 m<sup>2</sup>/kg

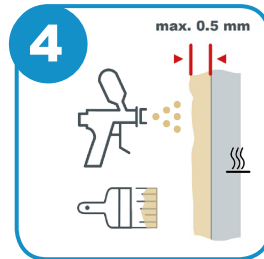
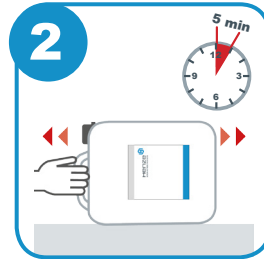


- Packing Units**
- ▶ 1 kg, 10 kg in PE packaging

**Storage and Safety** Store in dry conditions and protect from frost. Minimum shelf life 12 months if stored in original packaging and under appropriate conditions. For further information please refer to the current safety data sheet.

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## INSTRUCTION



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