

HeBoCoat® SL-E 200

Anti-Reflection Spray



Matting of reflective surfaces in optical measuring processes with boron nitride spray.

Boron nitride spray effectively mattes shiny and reflective surfaces, thereby creating the basis for reliable measurement results



Thanks to their wide range of applications, laser scanners are increasingly used for optical examinations of components. Especially when measuring bare metal, ceramic, plastic and glass surfaces, light reflections and mirroring on the surface often lead to difficult measuring conditions and, as a result, to incorrect measurement results.

Matting the surface provides a targeted remedy, in addition to ensuring rapid and error-free measurement results.

HeBoCoat® SL-E 200, a spray based on hexagonal boron nitride, is extremely well suited for matting a wide variety of material surfaces quickly and effectively - thereby avoiding reflections and mirroring. The spray forms a white coating with good adherence properties on the component's surface, and can be easily removed if necessary.

Areas of Application

- ▶ For matting surfaces against unwanted reflections and shiny spots.
- ▶ For 3D laser measurement technology and surface measurements to measure reflective, translucent or dark surfaces.

Special application above 200 °C

For measuring tasks that are performed at temperatures clearly above 200 °C, **HeBoCoat® SL-E 125** spray can be used. Compared to **HeBoCoat® SL-E 200**, it is equipped with a high-temperature binder, which ensures good adhesion to the surface up to approx. 900 °C.

Benefits

- ▶ Good adhesion to almost all materials
- ▶ Effective matting, thanks to very fine, hexagonal boron nitride particles
- ▶ It can be applied in the desired layer thickness
- ▶ Very good sliding and lubricating properties
- ▶ Very good thermal conductivity
- ▶ Excellent electrical insulation
- ▶ High temperature resistance - up to 900 °C in air
- ▶ High chemical resistance
- ▶ Boron nitride is physiologically harmless
- ▶ Ethanolic solvent base
- ▶ Rapid drying

Processing instructions

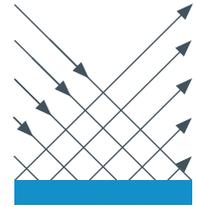
- ▶ Apply only to clean, dust- and oil-free surfaces
- ▶ Briefly shake up the contents of the tin
- ▶ From a distance of approx. 20-30 cm, spray thinly and opaquely onto the surface
- ▶ The coating can be easily removed with a moistened cloth if necessary

Packaging Unit

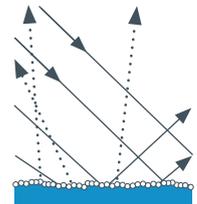
- ▶ 500 ml tin plate aerosol can
- ▶ 12 spray cans per carton

Storage and safety

The product is highly flammable, making it a hazardous substance as defined by the Ordinance on Hazardous Substances. Store in a cool and dry place. More information and safety instructions in the safety data sheet. Shelf life at least 36 months if stored properly in the original container.



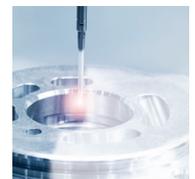
Highly reflective surface.



Diffuse reflective surface with white, fine boron nitride layer.



Reflective component without **HeBoCoat® SL-E 200** coating.



Matted component with **HeBoCoat® SL-E 200** coating.

Technical data

- ▶ Colour: White
- ▶ Solids content: 24.0 %
- ▶ Boron nitride: 20.0 %
- ▶ Binder: Polymer
- ▶ Solvent: Ethanol

The provided values are typical material characteristics and are not intended as guide values for the preparation of specifications. They are subject to a production-related tolerance and correspond to state of the art technology. We reserve the right to make changes to the data brought on by further development of the product and production. Any infringement of third party property rights must be checked by the customer and remedied if necessary.

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