Henze BNP Sales Partner

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+34 946 56 56 84 | materially@materially.es
www.materiallyhub.es

Boron Nitride Spray **HeBoCoat®** SL-E 125 for Welding and Soldering Applications

Clean welding and soldering processes – achieved with HeBoCoat® SL-E 125.

Used to spray-coat nozzles and workpieces. This silicone free, Boron Nitride based ceramic protective coating prevents the adhesion of weld spatter on welding nozzles and workpieces.

In industrial welding processes weld spatter can easily deposit itself on welding nozzles, workpieces, jigs, fixtures, protective shields as well as on surrounding equipment. This reduces process performance and restricts both the gas flow and wire feed, and generally necessitates not only frequent but also time intensive manual cleaning and maintenance. Similar issues can also arise in soldering processes, where undesirable solder deposits can arise on fixtures and fittings.

HeBoCoat® SL-E 125 reliably protects nozzles and workpieces from the adhesion of weld and solder spatter. This saves time and reduces equipment downtime significantly.

HeBoCoat® SL-E 125, a silicone free ceramic coating, is easily and economically applied by spraying. A dry, durable protective film is quickly formed. Its release, lubricating and protective effects are excellent – even at high temperatures. With one single application of **HeBoCoat®** SL-E 125 the welding and soldering times can be significantly increased. Costs are reduced and productivity improved.

The Ethanol content within the spray optimises substrate wetting and contributes to the quick drying of the film. The inorganic binder ensures good adhesion to metal surfaces – even at high temperatures. The high proportion of fine Boron Nitride particles results in the excellent lubricating and release properties.

Typical Areas of Application

- Release agent and surface protection for welding and soldering processes, anti-spatter.

Advantages

- Silicone free
- Clean welded seams and soldered joints
- Excellent release, lubricating and protective effect, even at high temperatures
- Good, durable surface adhesion
- Quick drying
- Dry protective film – oil, grease and silicone free
- High effectiveness at low dosage rates
- Reduced equipment downtime
- Reductions in cleaning time
- Higher cleanliness in comparison with conventional release agents
- Ease of use

Recommendations for Processing

- Apply only to clean, dust and oil-free surfaces
- Shake well before use
- Spraying distance approximately 20 cm
- Apply sparingly, in thin coats
- **HeBoCoat®** SL-E 125 film has dried when a solvent smell can no longer be detected

Packing Units

- 500 ml Aerosol sprays
- 12 spray tins per pack

Storage and Safety

- This product is highly inflammable and therefore falls under the dangerous goods regulations. Store in cool and dry conditions. For further information please refer to the safety data sheet. If stored correctly in original packaging, the product shelf life is a minimum of 36 months.

*Welding nozzle without **HeBoCoat®** SL-E 125 coating.*

*Welding nozzle with **HeBoCoat®** SL-E 125 coating.*

*Result: **HeBoCoat®** SL-E 125 prevents the build-up of deposits in the welding nozzle and the blockage of the wire feed.*

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Materially Innovation Bilbao S.L
Edificio Bilbao AS Fabrik, Olagorta 26
48014 Bilbao, Bizkaia, Spain

+34 946 56 56 84
materially@materially.es
www.materiallyhub.es

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