Industrial Line

Boron HiTech

Technical data sheet
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Releasing anti-scrapping agent, boron nitride-based, for industrial application

Category:

- Anti-scrapping

Applications:

- Avoids adhesion of welding residues

Advantages:

- Extraordinary resistance and chemical inertia
- Easy spray use

Applications

Boron HiTech is a non-stick product with exceptional lubricating and releasing properties (even at high temperatures), which forms an inert, resistant and strongly anchored white layer on each metal surface.
Boron HiTech has a temperature resistance well above graphite (in oxidizing environment up to 800°-1000°C, in a reducing environment even up to 2000°C) and has a very high chemical resistance towards melted glass, most of the metals and melted plastics. Thanks to these properties, Boron HiTech is an excellent anti-scrapping effective in the protection of arc welding equipment (MIG/MAG, both automatic and manual), laser and plasma, preventing the adhesion of metal scraps on torches, nozzles, thread guides, templates and related accessories. Boron HiTech has excellent thermal conductivity as opposed to zero electrical conductivity (the film is an excellent insulator). It also has a great resistance to thermal shock, so it does not break or crack during processing. Boron HiTech is not classified as toxic or dangerous (dry film).
In addition to being an anti-scrapping product for welding, Boron HiTech can be used as an anti-adhesive release agent in:
• Melting, sintering, welding and stamping of metals
• Aluminium extrusion
• Moulding of diamond wheels and other tools
• High vacuum lubricant, at temperatures>1000°C in oxidant atmosphere.
• Moulding of loaded resins (glass, carbon, etc.) or, in any case, generally in the plastics sector.

Method of Use

Shake the canister for 20-30 seconds until the inner sphere will flow freely. Spray the product on perfectly clean and degreased surfaces from a distance of 15-20 cm to form a thin white layer.
Avoiding overflowing.
After 30-40 seconds, the surfaces will be ready for use.
Turn the canister upside down and spray for 2-3 seconds to clean the nozzle.

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