



## Weld-max A

**State of the art ceramic coating based on boron nitride (BN)**

### Description

Weld-max A is a dispersion of colloidal hexagonal boron nitride in a blend of organic solvents in a spray can. It serves as a rapid drying ceramic coating providing exceptional protection lubrication and release properties. The high temperature h-boron nitride barrier prevents molten metal such as weld spatter adhering to equipment and consumables or to other metallic substrates. Weld-max A is widely used on all MIG and MAG welding equipment. The professional welder can extend the working life of the welding equipment and the welding process can continue for longer with far fewer cleaning stops.

### Applications

Weld-max A provides long lasting protection of welding equipment, e.g. shrouds and nozzles but on hand is a highly versatile product on the other hand. Thanks to its chemical inertness and

ability to resist extremely high temperatures many industries benefit from its advantages. BN based coatings increase lifetime of dies and moulds resulting in improved surface finishing. This makes the product suitable for use in metal processing and glass making processes as well as sintering operations and glass manufacturing or as chute coating. Weld-max A is a perfect solution when working with extremely high temperatures (up to 1200 °C) especially in applications suffering from contamination, reactivity and sticking.

### Benefits

- Cleaner welding equipment
- Cleaner operation
- Reduced costs
- Better surface finish
- Saves time
- Reduces production time
- Chemically inert

### Typical performance data

Functional solid	Hexagonal boron nitride
Carrier fluid	Mixed solvents
Colour	White
Service temperature, °C	>1000

### Typical performance data - concentrate

Appearance	White mobile fluid
Solids content, %	12
Density, kg/cm <sup>3</sup>	0.875
Flash point, °C	-22

All performance data on this Technical Data Sheet are indicative only and can vary during production

**Matrix Specialty Lubricants BV - info@matrix-lubricants.com – www.matrix-lubricants.com**



### ***Application***

For the spray, shake the can vigorously and apply Weld-max A Spray from approx. 20 cm onto the item needing protection. Apply a thin uniform film. The coating will be dry and be ready for use within seconds.

### ***Stirring, mixing***

For Weld-max A, stir the concentrate thoroughly before use until a fluid consistency is obtained. When making aerosols continue stirring during the filling operation.

### ***Storage***

Store in a sealed container at a temperature between +5 °C and +30 °C. Shelf life is at least 12 months when stored in a sealed container. To ensure correct homogenization, shake or roll the container before use.

Weld-max A Spray has a shelf life of 10 years.