



### Henkel. A Strong Partner for the Metal Industry.

Henkel is a leading supplier of surface treatments, lubricants and cleaning products for the metal industry in the segments of forming, packaging, steel and coil. In 2008, Henkel expanded its metal solutions through the integration of Acheson's product lines; today, Henkel provides the most comprehensive line of metal solutions available world-wide. Customers and partners benefit from even higher process efficiency and lower costs – receiving the combined expertise, product portfolio and innovative power of Henkel and Acheson from a single source.

### Contact us!

We would be pleased to show you how effective Aerodag® CERAMISHIELD™ is – simply see for yourself! Our experts will not only demonstrate the use of the protective coating, but also calculate your potential savings and provide an increased production valuation.

Together, we can set the trends for the industrial metal processing market of tomorrow.

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Dealer's stamp

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## Aerodag® CERAMISHIELD™

### The Innovative Protective Coating for Welding Processes



Quality from





# Save money. Enhance productivity.



Aerodag® CERAMISHIELD™ is the innovative ceramic protective coating for welding processes. This unique dry film effectively protects welding equipment against metal spatter – for the extraordinary duration of up to 8 hours, without the need for reapplication. Cleaning of the equipment is no longer necessary and thanks to downtime being eliminated, costs are reduced and productivity enhanced.



## Valuable solution for all applications

### Manual MIG/MAG welding

At the beginning of the shift, Aerodag® CERAMISHIELD™ is sprayed once onto the equipment surface. The resulting ceramic coating repels spatter and ensures uninterrupted welding.

#### Higher productivity

- » Welding spatter does not adhere to contact tips or shrouds
- » Time previously required for cleaning is eliminated
- » Reliable, uninterrupted downtime-free work processes
- » Improved productivity and increased turnover

#### Lower costs

- » Physical and thermal protection for welding equipment
- » Service life of welding equipment increased by four to five times
- » Significant savings on welding consumables

#### Cleaner welding

- » Shroud remains free of spatter – gas flow is not interrupted
- » Perfect welding seam is ensured
- » Work pieces can also be coated and protected from spatter



### Laser and plasma cutting

Laser and plasma cutting nozzles are particularly sensitive to spatter. Aerodag® CERAMISHIELD™ offers protection without impairing machine operation.

#### Lower costs

- » Physical and thermal protection for shrouds
- » Service life of shrouds extended by four to five times
- » Considerable cost savings on consumables

#### Increased productivity

- » More reliable, continuous production
- » Less downtime for cleaning
- » Higher productivity and revenue



### Key Benefits

- » Increase productivity by up to 10%
- » Reduce running costs for consumables by up to 70%
- » Eliminate costs for cleaning equipment

### Product Properties and Advantages

- » Ceramic, silicone-free protective coating
- » Spray coating dries within seconds
- » Easy to apply
- » Excellent adhesion of coating
- » Protects contact tips, welding nozzles and jigs
- » Costs of the protective coating only a few cents per shift
- » Prevents adhesion of welding spatter for up to eight hours with just one application

### Applications

- » MIG/MAG welding
- » Jigs, fixtures and fittings
- » Laser and plasma cutting



The difference, with and without the coating, after 75 minutes of welding

Aerodag® CERAMISHIELD™ was previously marketed as PULVE BN D 60 A.

### Robotic MIG/MAG welding

Aerodag® CERAMISHIELD™ eliminates downtimes as no torch cleaning is required; robots can weld continuously without interruptions.

#### Increased revenue

- » No downtime for spatter removal necessary
- » Robots can weld continuously
- » Significant increase in productivity

#### Reduced expenses

- » No adhesion of spatter on welding equipment
- » Capital costs for torch cleaning systems as well as anti-spatter products are saved
- » Significantly less wear on shrouds and contact tips, resulting in longer service life

### Jigs, Fixtures and Fittings

A single coat of Aerodag® CERAMISHIELD™ protects jigs, fixtures and fittings against adhering spatter for up to one week, as well as power cables, sensors, metal components and the jaws of spot welding systems.

#### Reduce costs and boost productivity

- » Spatter does not adhere to coated surfaces
- » No surface cleaning required – spatter can be swept up with soft brush
- » Time previously consumed by manual spatter removal can be devoted to production
- » No need for expensive cleaning chemicals