

Aerodag® CERAMISHIELD

The Innovative Protective Coating for Welding Processes





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 several hours, without the need for reapplication. Frequent cleaning of the equipment is no longer necessary and thanks to downtime being eliminated, costs are reduced and productivity enhanced.



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

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

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



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
- » Eliminates the need for continuous contactable cleaning
- » Reliable, uninterrupted work processes without downtimes
- » 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
- » Higher quality of the welding seam
- » Work pieces can also be coated and protected from spatter

Robotic MIG/MAG welding

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

Higher productivity

- » Fully automatic application
- » Minimized downtime, significantly reducing interruptions to the welding process
- » Reliable, continuous production processes
- » Increased throughput rate

Lower costs

- » No intensive mechanical cleaning necessary
- » Less time and effort required for spatter removal
- » Service life of consumables is increased by 4 to 5 times
- » Very effective, cost efficient and long-lasting protection against welding spatter build-up



Laser and plasma cutting

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

Higher productivity

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

Lower costs

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

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



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.

Visit www.ceramishield.com to watch an application video and find out more about the product!

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

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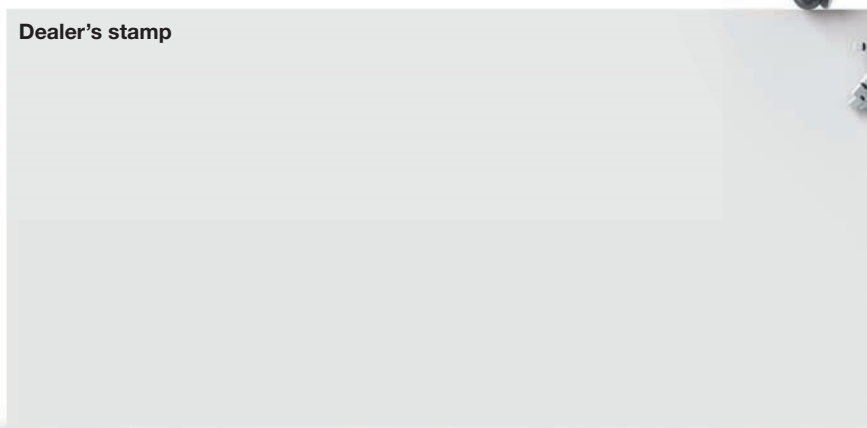
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