



Loctite® SF 7900™ – Ceramic Shield for Welding

The Innovative Protective Coating for Welding

Loctite® SF 7900™ Ceramic Shield for Welding is the innovative ceramic protective coating for welding. This unique dry film effectively protects welding equipment against metal spatter – up to eight hours, without the need for reapplication. Frequent cleaning of the equipment is no longer necessary and, with downtime being eliminated, costs are reduced and productivity is enhanced.

KEY BENEFITS

- Increase productivity by up to 7%
- Reduce running costs for consumables by up to 40%
- 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

Manual MIG / MAG Welding

At the beginning of the shift, Loctite® SF 7900™ 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 downtime

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 welding seam
- Work pieces can also be coated and protected from spatter



The difference, after 75 minutes of welding.

Laser and Plasma Cutting

Laser and plasma cutting nozzles are particularly sensitive to spatter. Loctite® SF 7900 offers protection without impairing machine operation.

HIGHER PRODUCTIVITY

- More reliable, continuous production
- Less downtime for cleaning

LOWER COSTS

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

Jigs, Fixtures and Fittings

A single coat of Loctite® SF 7900™ 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

Item Number	Description	Package	Type	Color	Pcs/ Case
1442099	Loctite® SF 7900™ Ceramic Shield for Welding	270g aerosol	Protective Coating	White	12

- 1.**  For best results, use a new contact tip and shroud.

2.  Place the contact tip on the welding torch.

3.  Before applying the content, shake the can for one minute.

4.  Hold the can 10 – 15 centimeters away and coat the contact tip with Loctite® SF 7900™.

5.  Fit the new shroud to the welding torch.

6.  Coat the exterior and interior of the shroud. Ensure that all areas which need to be protected are coated.

7.  Let the coating dry for several seconds. In the meantime the solder wire can be pushed out and cut off.

8.  After applying Loctite® SF 7900™ reverse the can and spray for several seconds.



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See for yourself how effective Loctite® SF 7900™ is! Scan the QR code to watch an application video and find out more about the product!

