



# 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

- For best results, use a new contact tip and shroud.
- Place the contact tip on the welding torch.
- Before applying the content, shake the can for one minute.
- Hold the can 10 – 15 centimeters away and coat the contact tip with Loctite® SF 7900™.
- Fit the new shroud to the welding torch.
- Coat the exterior and interior of the shroud. Ensure that all areas which need to be protected are coated.
- Let the coating dry for several seconds. In the meantime the solder wire can be pushed out and cut off.
- 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!

