ANTI-SPATTER AND NOZZLE PROTECTION SOLUTIONS

Stop spatter from sticking with safe and efficient solutions



WALTER
Surface Technologies



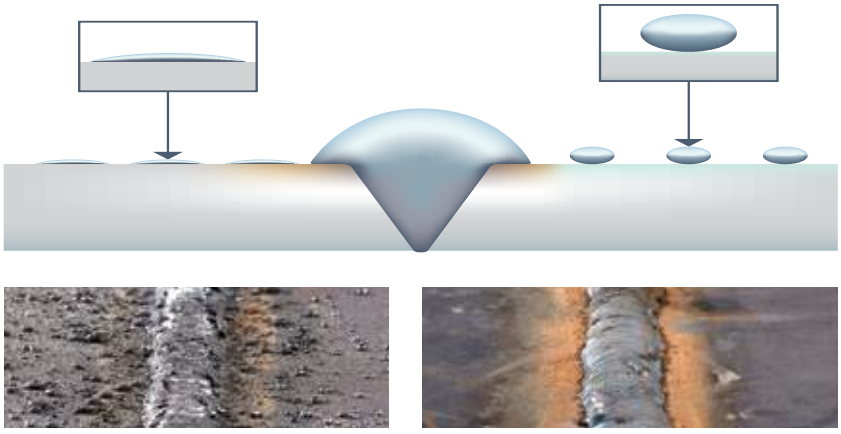
Why use anti-spatter solutions?

When small pieces of molten metal fly off the welding arc, the spatter or slag lands on work surfaces around the weld seams. As spatter cools and hardens on the surface it lands on, it can be difficult to remove. Abrasive solutions will then need to be utilized to remove the spatter to ensure a smooth surface for painting, finishing and other operations. However, by leveraging an anti-spatter solution before you begin welding, you can eliminate the time and cost of using abrasives to remove them.

Why use WALTER anti-spatter solutions?

As a company who is consistently looking to increase your productivity while reducing your costs, WALTER has developed a safer and healthier line of anti-spatter solutions to prevent spatter from adhering to work surfaces. Our anti-spatter solutions are non-toxic, non-flammable and biodegradable.

"Unlike some other anti-spatter compounds, WALTER solutions do not contain harmful chemicals like Methylene Chloride, a known carcinogen which can cause headaches, dizziness and a wide array of long-term medical issues."



WITHOUT E-WELD

WITH E-WELD

E-WELD Family Highlights

Aerosol can uses a special propellant

Non-flammable **VOC-free**

+40% ACTIVE INGREDIENTS



- Ultra efficient, highly concentrated solutions – only a small amount is required
- E-WELD Nozzle is the longest lasting dry ceramic welding nozzle protector for superior protection and reduced downtime
- E-WELD Nozzle can be used with a unique self-dispensing applicator for easy use and a perfect coating every time
- E-WELD 4 is the only anti-spatter guaranteed to not contribute to weld porosity, while eliminating cracking and reducing the number of rejected welds
- AIR FORCE is an exclusive refillable aerosol can system using compressed air as a propellent, eliminating the need for the disposal of aerosol cans

PRODUCT SELECTION CHART

Required protection	Advantages	Products
NOZZLE PROTECTION	CERAMIC / RESISTS TO UP TO 1000°C.	**E-WELD NOZZLE**
	PRACTICAL MAGNETIC PACKAGING.	**SPATTER BLOCK GEL**
ANTI-SPATTER	FOR HIGH HEAT APPLICATIONS. CAN BE USED AS A DEGREASER.	**E-WELD 3**
	PROTECTS AGAINST CORROSION. WILL NOT CONTRIBUTE TO POROSITY.	**E-WELD 4**
	TEMPORARY CORROSION PROTECTION.	**SPATTER BLOCK**
	FOR HIGH HEAT APPLICATIONS.	**SPATTER BLOCK HT**
CUTTING TABLE PROTECTION	PREVENTS ADHESION OF SLAG TO SLATS ON CUTTING TABLES.	**E-WELD PLASMA**









E-WELD PLASMA™

Long lasting protection for laser and plasma cutting tables

E-WELD Plasma™ is a ceramic anti-spatter solution that is applied to laser and plasma cutting tables to reduce the buildup of slag over time.

This simple preventative measure keeps the slag from adhering to the slats in cutting tables, allowing it to be easily removed before it builds up and becomes problematic. This significantly decreases the amount of time and effort needed to clean slag off cutting tables, which saves a great deal of labor time – and associated costs – in plant maintenance.

Now compatible with wet tables.

Description	Size		Order No.	MSDS	Std Pkg
	Metric	US			
Aerosol	400 ml	13.55 oz	53-F 602	L-174	12
Sprayer	1400 ml	34 oz	53-L 126		1
Liquid	10 kg	22 lbs	53-F 605	L-142	1
Liquid	208 L	55 gal	53-F 608	L-142	1

Color: White

Pro Tip!

Use Surfox Pre-Weld to degrease slats prior to E-Weld Plasma application



E-WELD NOZZLE

LONG-LASTING NOZZLE PROTECTION FOR INCREASED EFFICIENCY



Extend the life of welding nozzles with E-WELD Nozzle and our exclusive applicator. This highly concentrated formula evenly coats the exterior and interior surfaces of welding nozzles and contact tips to prevent spatter from adhering to the nozzle. This prevents obstruction, allowing the gas to constantly flow freely to produce higher quality welds. This is an extremely economical solution, as the applicator quickly and easily dispenses a thin layer that can provide protection for up to 8 hours. This is an ideal solution for MIG welding, as E-WELD Nozzle can withstand high temperatures and can even be used in plasma and laser cutting applications.

- No weld contamination
- Decreased weld porosity
- Drastically reduced downtime spent clearing spatter from welding nozzles

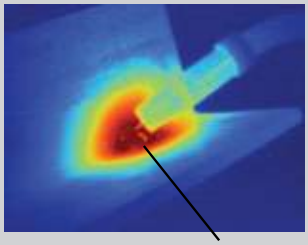
Protecting welding nozzles up to 8 hours

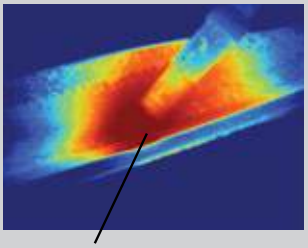


Nozzle using E-WELD Nozzle



Nozzle fully clogged
(not using E-WELD Nozzle)





High temperature zones
Keeps nozzle cooler for best protection

Coats the exterior and interior surfaces to prevent spatter build-up

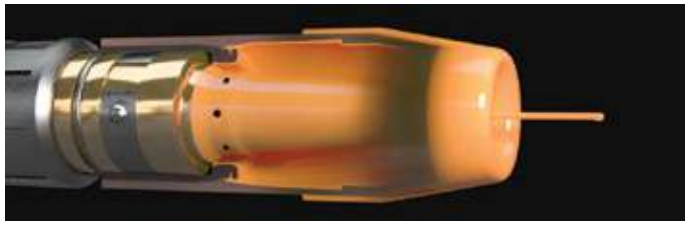
During the welding process, welding nozzles and tips get clogged by hot spatter fusing to the nozzle. This prevents the shielding gas from flowing freely and heating the wire evenly, which can cause a number of issues with the weld bead, including increased porosity. This could possibly lead to time-consuming rework and decreased productivity.



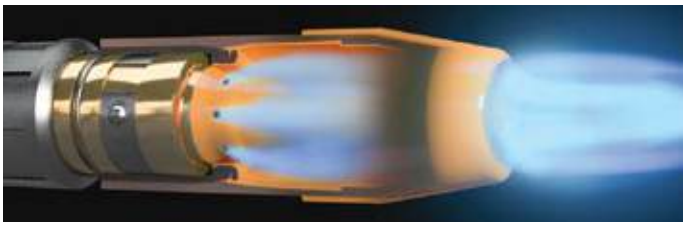
The end-result is an inconsistent, poor quality weld with a higher rejection rate.



E-WELD Nozzle coats the exterior and interior of the nozzle, the contact tip and the diffuser to avoid spatter from adhering, thus preventing obstruction.



This allows the gas to constantly flow freely and heat the wire consistently.



The end-result is a consistently high quality weld bead with virtually no rejected pieces.







Drastically reduces downtime

Unique applicator easily dispenses THE PERFECT AMOUNT EVERY TIME

- Easily applies a thin, even coating
- Simply dip a cool torch into the applicator for one second and let dry for 5-10 minutes
- Reduces the potential for waste from excessive over-application
- Reduces the mess associated with traditional aerosol spray

Description	Size	Order No.	MSDS	Std Pkg
Aerosol	13.5 fl. oz.	53-F 212	L-156	6
Aerosol & Applicator	13.5 fl. oz.	53-F 912	L-156	6
Applicator		53-L 121		1

VIDEO

WALTER Academy VIDEO
How to Properly Install and Use E-WELD Nozzle

FEATURES

- 2-3 times the active ingredients of competitive products
- Just one application lasts up to an entire 8 hour shift
- Effective up to 1832°F (1000°C)
- Patent pending applicator ensures a thin & even coat

BENEFITS

- Less downtime
- Increased productivity
- Improved weld quality
- Save money by using fewer welding nozzles

SPATTER BLOCK GEL™

ANTI-SPATTER GEL



Superior anti-spatter gel for protecting welding nozzles and contact tips

- Extends welding torch life
- Free of chlorinated compounds and silicone
- Odorless
- Packaging height is designed to prevent clogging of gas diffusers in welding nozzle
- Metal container will not burn through from hot tips
- Provides excellent protection for welder's boots and gloves

Description	Size	Order No.	MSDS	Std Pkg
Metal tin	7 oz.	53-F 103	L-12E	12

Color: Translucent



Magnetic tin "sticks" to steel work tables and vertical surfaces



E-WELD 4™

PREMIUM ANTI-SPATTER EMULSION

E-WELD 4 is one of the most advanced anti-spatter solutions in the industry, providing unparalleled performance and protection. E-WELD 4 retracts in the presence of heat, leaving the welding area clean of liquid. This ensures there is no liquid in the weld pool, which makes E-WELD 4 the only anti-spatter on the market which can guarantee that excessive anti-spatter applied to the work surface will NOT be a potential cause of weld porosity.

Will not contribute to weld porosity

- VOC-free, solvent-free, silicon-free, biodegradable, non-flammable
- Retracts from heat, ensuring excess solution will not cause weld cracking or porosity
- Excellent corrosion resistance
- Leaves the surface ready to paint after use
- Works equally wet or after the product is dry
- Formulation based on natural plant extracts
- Best choice for welding aluminum



VOC free

Description	Size	Order No.	MSDS	Std Pkg
Aerosol	13.5 oz.	53-F 402	L-177	12
Spray Bottle	16.9 oz.	53-F 403	L-147	12
Liquid	1.3 gal	53-F 406	L-147	1
Liquid	5.2 gal	53-F 407	L-147	1
Liquid	55 gal	53-F 408	L-147	1

Color: White

Characteristics	E-WELD 4
Corrosion inhibition	Yes
Porosity reduction	Excellent
Cleaning & degreasing ability	No
Paint adhesion	Excellent
VOC-free	Yes
NSF registered	No

E-WELD 3™

PREMIUM HIGH TEMPERATURE ANTI-SPATTER SOLUTION

E-WELD 3 is a unique, high performance anti-spatter solution that protects work pieces from adherence of high energy spatter and eliminates costly spatter removal operations. E-WELD 3 can also be used as a cleaner and degreaser prior to welding, allowing for the use of one chemical to prep the workpiece and protect against weld spatter.

Degrease and protect with one product

NSF category P1, registration #145451

- VOC-free, solvent-free, silicon-free, biodegradable, non-flammable
- Multi-functional product, can be used as a cleaner/ degreaser to prepare surfaces prior to welding
- Leaves the surface ready to paint after use
- Formulated for
  - Multiple pass welding
  - Thin sheet welding
  - Welding stainless steel
  - Pre-heated workpieces



VOC free NSF

Description	Size	Order No.	MSDS	Std Pkg
Aerosol	13.5 oz.	53-F 252	L-176	12
Spray Bottle	16.9 oz.	53-F 253	L-46	12
Liquid	1 gal	53-F 255	L-46	1
Liquid	5.2 gal	53-F 257	L-46	1
Liquid	55 gal	53-F 258	L-46	1

Color: Clear blue

Characteristics	E-WELD 3
Corrosion inhibition	Temporary
Porosity reduction	No
Cleaning & degreasing ability	Yes
Paint adhesion	Excellent
VOC-free	Yes
NSF registered	Yes

SPATTER BLOCK™

GENERAL PURPOSE ANTI-SPATTER EMULSION

SPATTER BLOCK is a safe, effective anti-spatter emulsion. It protects workpieces and welding equipment while eliminating time-consuming spatter removal work.

- VOC-free, solvent-free, silicon-free, biodegradable, non-flammable
- Temporary corrosion inhibitors for carbon steel
- Compatible with all metallic alloys
- Formulation based on natural plant extracts
- Will not harm painted surfaces



VOC free

Description	Size	Order No.	MSDS	Std Pkg
Aerosol	13.5 oz.	53-F 002	L-10	12
Spray Bottle	16.9 oz.	53-F 203	L-21	12
Liquid	1 gal	53-F 205	L-21	1
Liquid	5.2 gal	53-F 207	L-21	1
Liquid	55 gal	53-F 208	L-21	1

Color: Milky green

Characteristics	SPATTER BLOCK
Corrosion inhibition	Yes
Porosity reduction	Yes
Cleaning & degreasing ability	No
Paint adhesion	Yes
VOC-free	Yes
NSF registered	No

SPATTER BLOCK HT™

GENERAL PURPOSE HIGH TEMPERATURE ANTI-SPATTER SOLUTION

SPATTER BLOCK HT is an anti-spatter solution that protects workpieces from adherence of high energy spatter and eliminates costly spatter removal operations.

- VOC-free, solvent-free, silicon-free, biodegradable, non-flammable
- Allows for multi pass welding
- Will not harm painted surfaces or interfere with painting process
- Odorless



VOC free

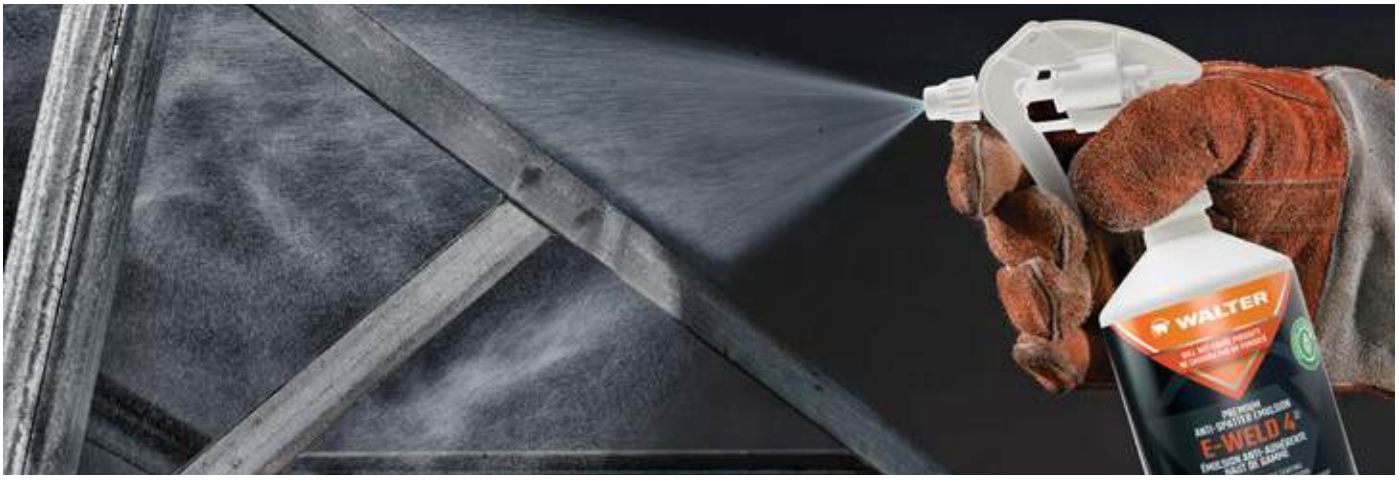
Description	Size	Order No.	MSDS	Std Pkg
Aerosol	13.5 oz.	53-F 222	L-61	12
Spray Bottle	16.9 oz.	53-F 223	L-136	12
Liquid	1 gal	53-F 225	L-136	1
Liquid	5.2 gal	53-F 227	L-136	1
Liquid	55 gal	53-F 228	L-136	1

Color: Amber

Characteristics	SPATTER BLOCK HT
Corrosion inhibition	Temporary
Porosity reduction	No
Cleaning & degreasing ability	Yes
Paint adhesion	Yes
VOC-free	Yes
NSF registered	No

REFILLABLE SPRAY BOTTLES

Each refillable spray bottle comes with a product label to ensure full OSHA compliance



Industrial pump spray bottles

Quickly and easily dispense anti-spatter with our industrial pump spray bottles. The thick-walled polyethylene bottles feature a wide neck for easy refilling from drums and other large containers. Apply a thin, misting layer for fast, effective coverage of large surface areas.



Description	Size	Order No.	Std Pkg
PUMP SPRAYER	30.4 oz.	53-L 108	1

*One bottle comes with OSHA compliant labels for all E-WELD and SPATTER BLOCK formats.

Refillable trigger spray bottles

Equipped with a precision sprayer mechanism which ensures a constant spray pattern without dripping. Clearly identified with product specific labels showing product features, OSHA information and directions for use.



Description	Size	Order No.	Std Pkg
SPATTER BLOCK	16.9 oz.	53-L 321	1
SPATTER BLOCK HT	16.9 oz.	53-L 308	1
E-WELD 3	16.9 oz.	53-L 320	1
E-WELD 4	16.9 oz.	53-L 338	1

Available at :

FOR MORE INFORMATION, TO SCHEDULE A FREE DEMO OR TO ORDER:

United States:
Phone: (800) 522-0321 | Fax (866) 274-4435
Email: OrderDesk.US@walter.com

Canada:
Phone: (888) 592-5837 | Fax (866) 581-1121
Email: csr@walter.com

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Surface Technologies

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