

## DESCRIPTION

**Copperweld** is a zinc-based and copper-enriched weld-through primer that provides superior corrosion protection between welded substrates while minimizing heat affected zones and welding spatter.

## FEATURES

- OEM recommended
- Zinc-based formula for superior corrosion protection
- Copper-enriched for improved conductivity while welding
- Minimizes the heat affected zone while welding
- Low weld-spatter formula
- Smooth spraying and easy covering
- Compatible with MIG and STRSW welding

## SUITABLE SUBSTRATES

- Bare metal

## TYPICAL PROPERTIES

Part:	Product Name:	Color:	Container:
40786	Brushable Copperweld	Gold	8 oz. Can
40793	Copperweld	Gold	16 oz. Aerosol
		<b>40786</b>	<b>40793</b>
<b>Coverage at 1 mil:</b>		528 sq.ft./gal	15 sq.ft. per can
<b>Density:</b>		1368 g/L	886 g/L
<b>Regulatory VOC:</b>		545 g/L	544 g/L
<b>Actual VOC:</b>		448.7 g/L	320 g/L
<b>MIR:</b>			1.0
<b>Category:</b>			WTP

Check local VOC regulations to ensure compliance of all products in your area.

## HANDLING AND APPLICATION



### PREPARATION:

1. Clean surface with **SEM Solve** or **XXX Universal Surface Cleaner**.
2. Sand with P80 grit paper. Surface must be bare metal.
3. Blow off dust and re-clean with **SEM Solve** or **XXX Universal Surface Cleaner**.



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### MIXING:

Shake can vigorously for one minute after mixing ball begins to rattle to ensure color uniformity and to prevent clogging. For best results, use only when can temperature is approximately 70°F (21°C).



### APPLICATION:



	40786	40793
<b>Coats:</b>	1 – 2 light coats	2 medium wet coats to both surfaces
<b>Flash Time Between Coats:</b>	3 – 5 minutes	3 – 5 minutes
<b>Time to Weld:</b>	20 minutes	20 minutes

**Note:** Remove any excess **Copperweld™** from exposed surfaces prior to applying any filler, primer or paint; otherwise, lifting will occur.

Remove or scratch **Copperweld** from plug weld areas prior to performing MIG weld applications for maximum performance.

**Note:** If clogging develops, remove spray button with a twisting motion and clean with **XXX Universal Gun Cleaner** or material compliant with VOC regulations in your area. Do not stick pin or other object into can. Gently replace spray button with top of can and spray button pointed away from you.



After each use, turn can upside down and spray several seconds to clear spray tip.



### STORAGE:

**Copperweld** should be stored in a cool, dry place with adequate ventilation away from heat, sparks and flames. The shelf life for **Copperweld** is 18 months. The shelf life for **Brushable Copperweld** is 1 year when stored under normal conditions.

### RELATED PRODUCTS:

Part:	Product Name:	Size:
38371	SEM Solve	Gallon
38373	SEM Solve	20 oz. Aerosol
38374	SEM Solve	Square Quart
38375	SEM Solve	5 Gallon
77763	XXX Universal Gun Cleaner	20 oz. Aerosol
77771	XXX Universal Surface Cleaner	Gallon
77774	XXX Universal Surface Cleaner	Quart



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### **Technical Consultation Service**

Our Technical Staff is ready to assist you with any questions. You are invited to take advantage of our extensive experience, laboratory services and trained field service representatives. Call (800) 831-1122 for answers to your questions. Hours of operation are Monday through Thursday 8:00 am until 5:00 pm EST and on Friday 8:00 am until 4:30 pm EST.

#### **Disclaimer:**

The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed. All users of the materials are responsible for assuring that it is suitable for their needs, environment and use. All data subject to change as SEM deems appropriate.

Users should review the Safety Data Sheet (SDS) and product label for the material to determine possible health hazards, appropriate engineering controls and precautions to be observed in using the material. Copies of the SDS and product label are available upon request.