



# MASTERWELD

The Welders' Ultimate Choice



## ENVIROMIG Copper Free Welding Wire



**Benefits of**

**NEW**

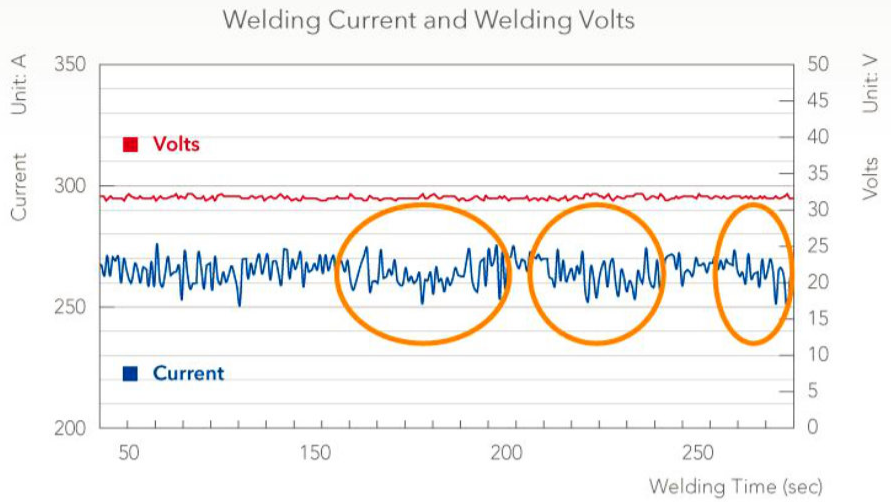
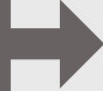
# **ENVIROMIG Copper Free Welding Wire**

- \* Superior feedability
- \* No copper flaking inside the liner
- \* No copper fume emission
- \* Enhanced corrosion resistance
- \* Superior performance in automatic welding applications
- \* Better weld bead appearance
- \* Good resistance to porosity with zinc primer
- \* Instant retrieval of batch certification to EN 10204 3.1
- \* Excellent restrike properties
- \* Longer tip life
- \* Less spatter

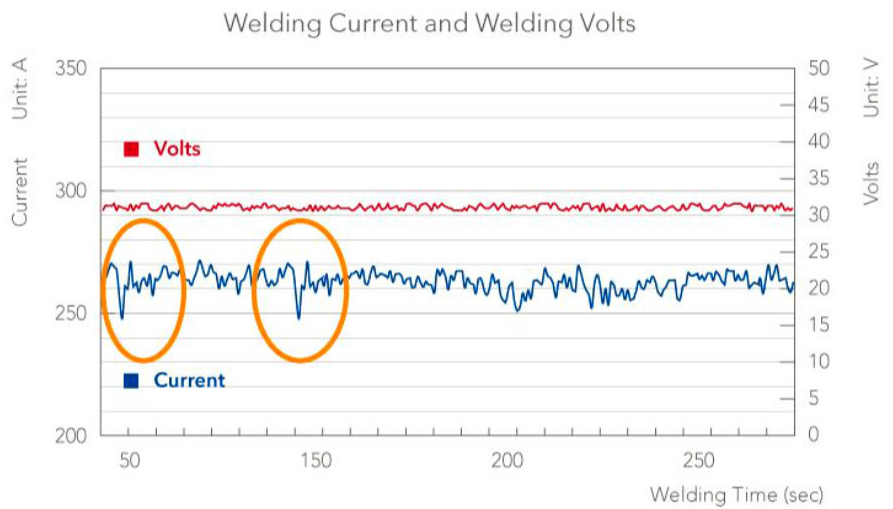


# Superior feedability

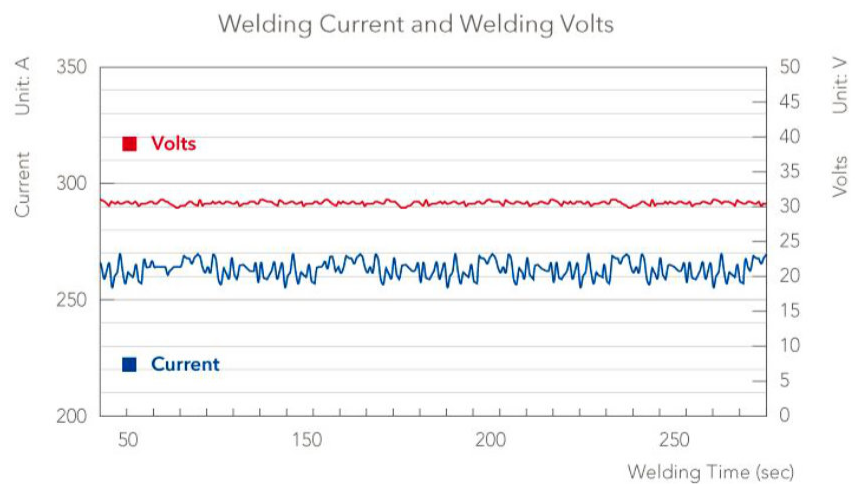
**Traditional  
Copper Coated  
Welding Wire**



**Conventional  
Copper Free  
Welding Wire**


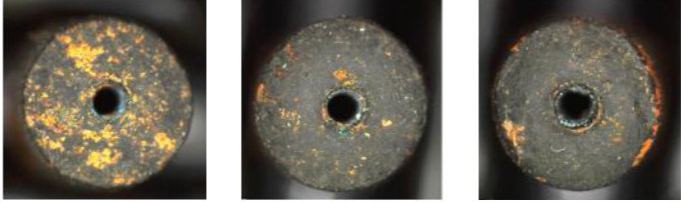

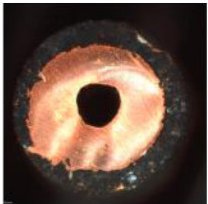


**NEW ENVIROMIG  
Welding Wire**


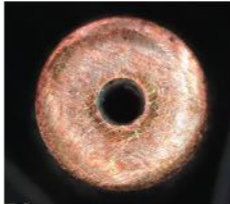
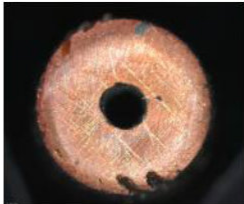

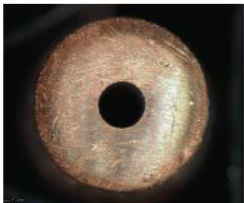
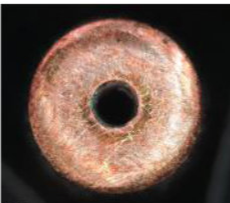
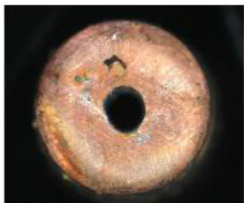


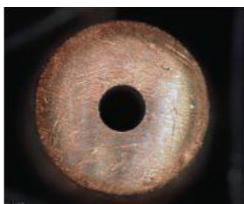
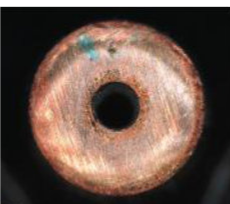
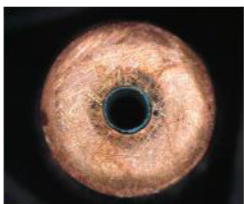



# Longer Tip Life

## Examples from Customers, 40kg, Welded

	 <b>ENVIROMIG Welding Wire</b>	<b>Competitor's CC</b>
<b>Before Cleaning</b>		
<b>After Cleaning</b>		

## Tip Wear after Welding

Time:	Before Welding	20 min	40 min	60 min
<b>Copper Coated</b>				
<b>Conventional Copper Free</b>				
 <b>ENVIROMIG Copper Free</b>				

Current: 250A

Volts: 27V

Wire Diameter: 1.2mm

Shielding Gas: 80%Ar + 20%CO2

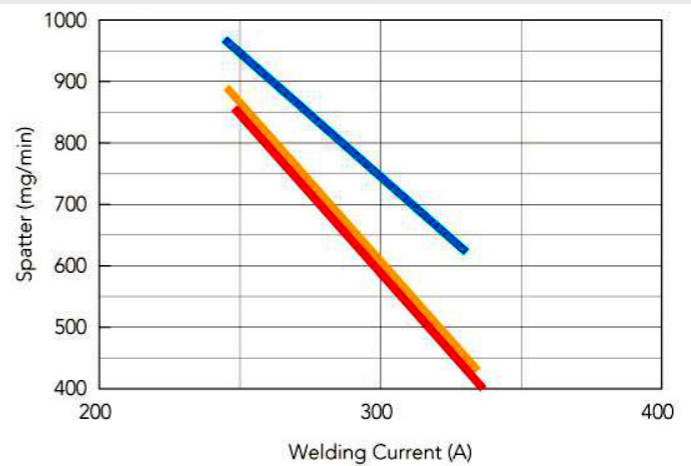
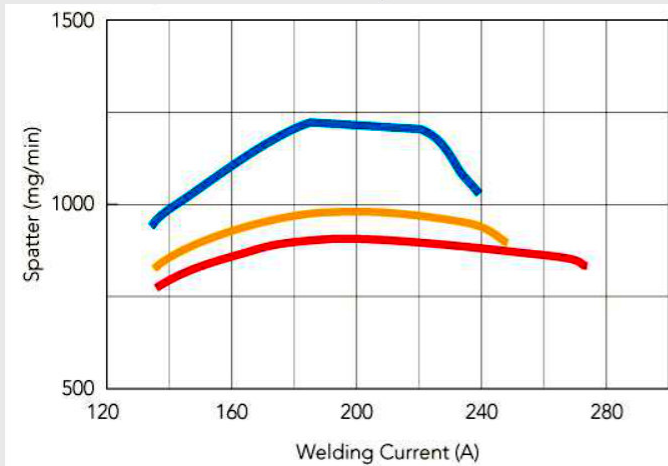


# Less Spatter

## Spatter Generation

Shielding Gas: 80%Ar + 20%CO2  
Wire Diameter: 1.0 mm

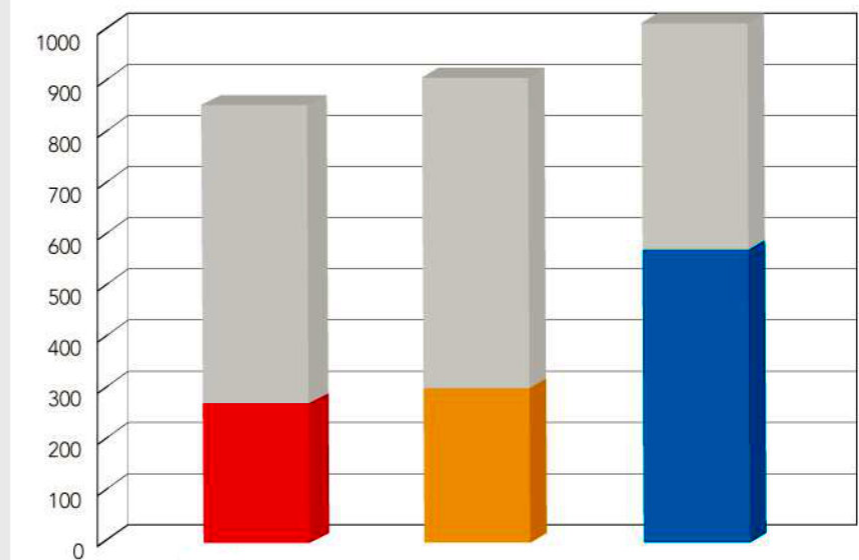
Shielding Gas: 80%Ar + 20%CO2  
Wire Diameter: 1.2 mm



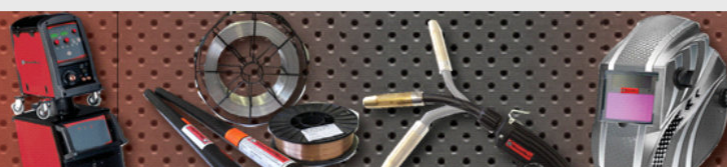
CC      CONVENTIONAL CF      **NEW** ENVIROMIG CF

## Spatter Size

Shielding Gas:  
80%Ar + 20%CO2  
Wire Diameter:  
1.0 mm



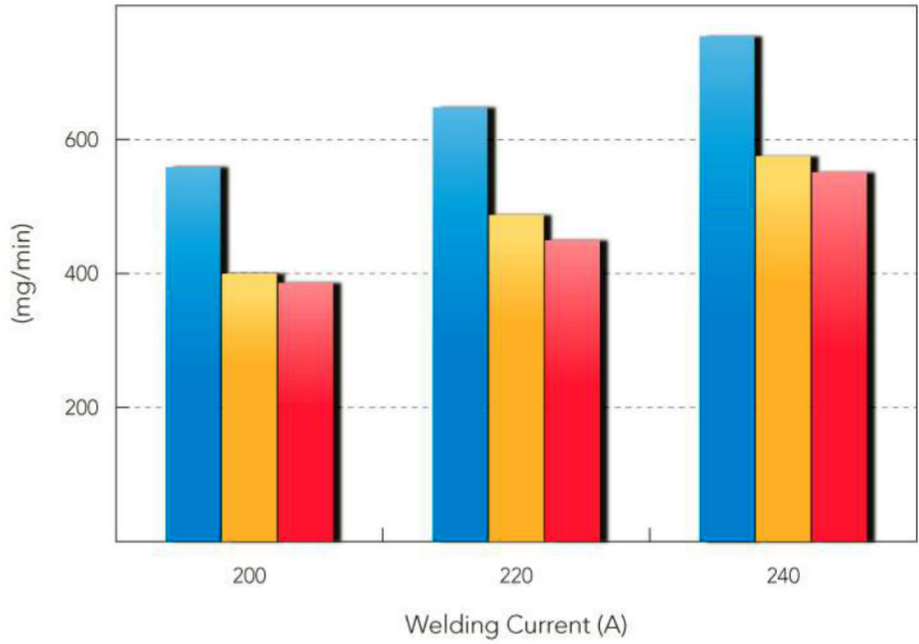
**NEW** ENVIROMIG CF      Conventional Copper Free      Traditional Copper Coated



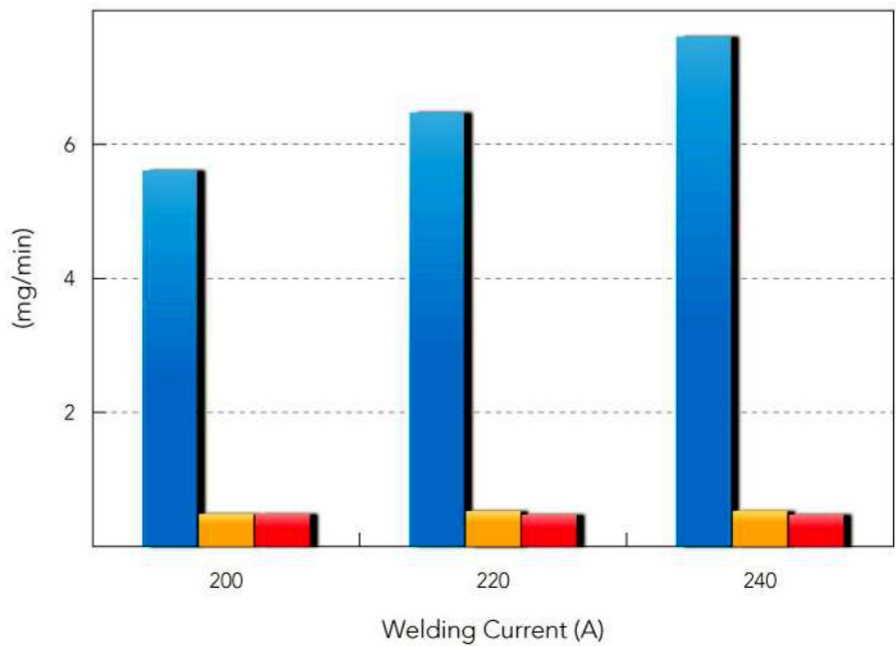
# No Copper Fume Emission



## Fume Emission



## Cu Content in Welding Fume Emission



# Instant Retrieval of Batch Certification

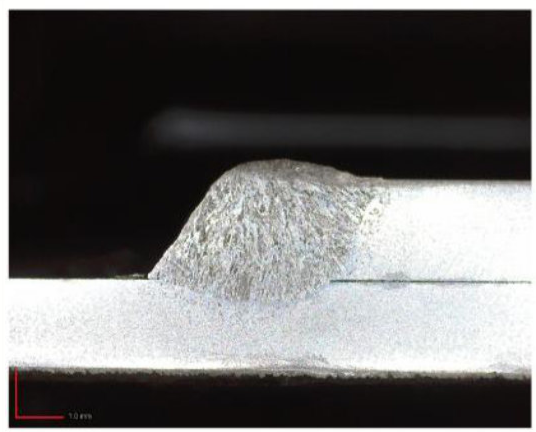
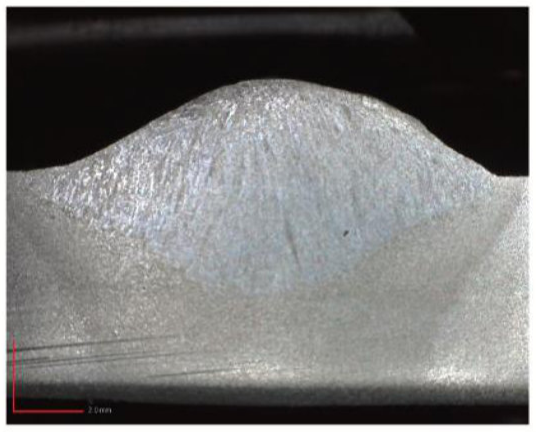


- \* Step 1: Scan the QR code on the box
- \* Step 2: Enter the lot number located on the side of the box / reel of wire
- \* Step 3: View your batch certificate to EN 10204 3.1

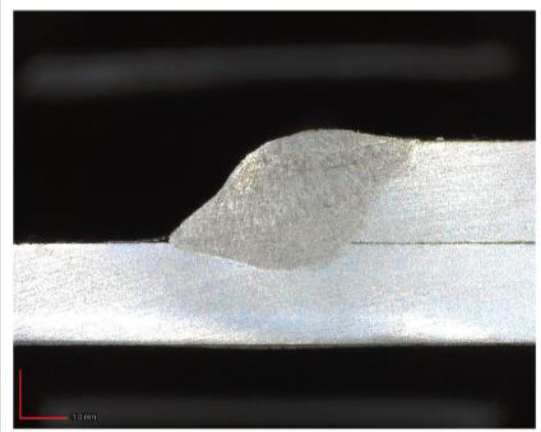
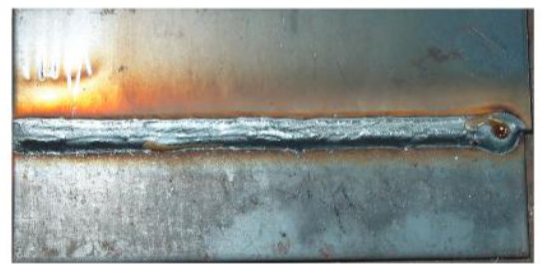


# Better Weld Bead Appearance

## Copper Coated



## **NEW** ENVIROMIG Copper Free





# Good Resistance to Porosity with Zinc Primer

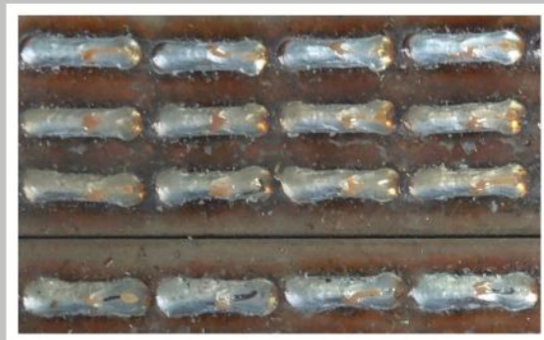


**NEW** ENVIROMIG  
Copper Free guarantees...

- \* Fine penetration and fusion
- \* No welding defect
- \* No spatter
- \* No porosity



# Excellent Restrike Properties



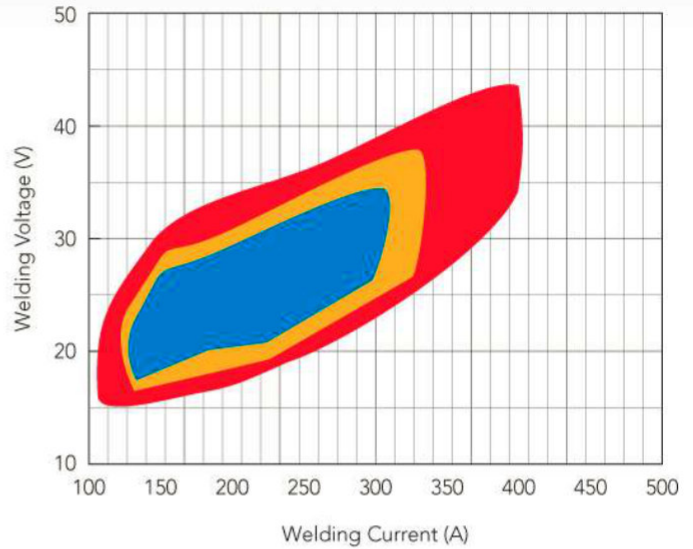
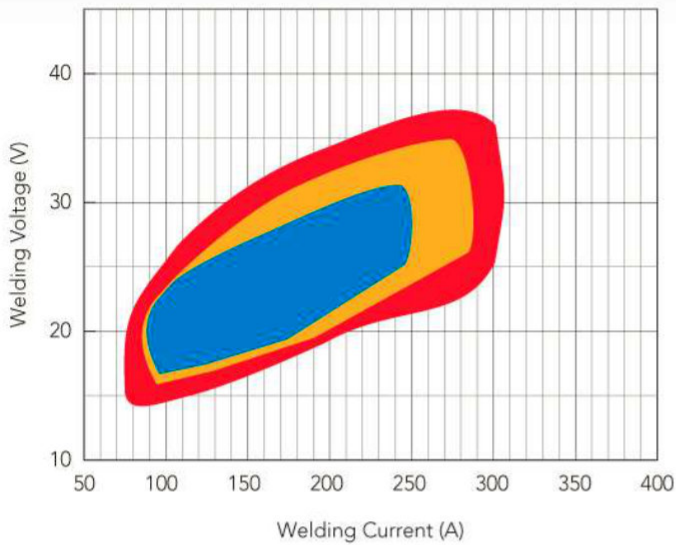
Wire Diameter: 1.2 mm



# Welding Parameter

Shielding Gas: 80%Ar + 20%CO2  
Wire Diameter: 0.9 mm ' 1.0 mm

Shielding Gas: 80%Ar + 20%CO2  
Wire Diameter: 1.2 mm



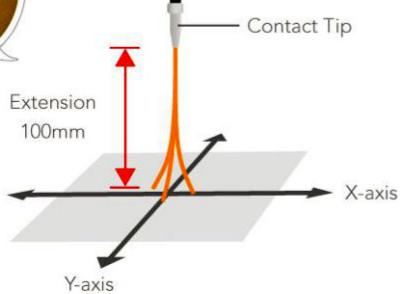
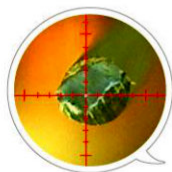
■ CC

■ CONVENTIONAL CF

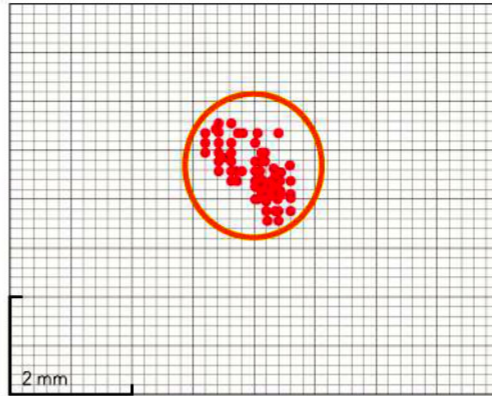
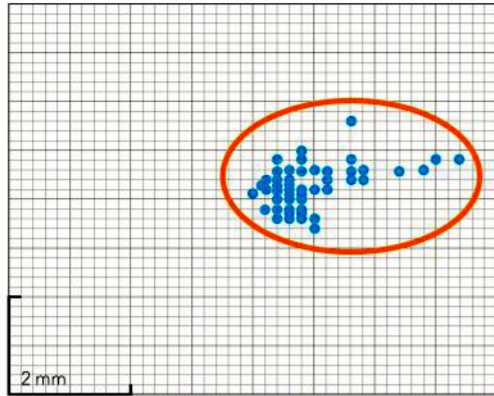
■ **NEW** ENVIROMIG CF

## Superior Product for Automated Welding Applications

• Wire targetability test

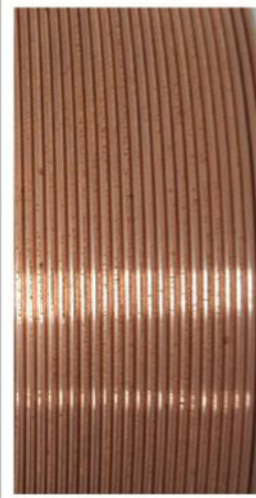


• Comparison of targetability



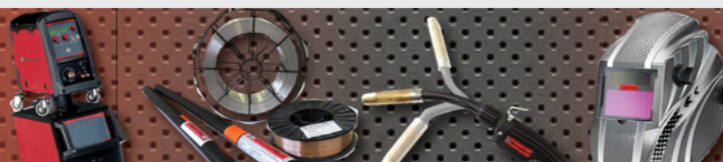
● Blue  
● Red

## Enhanced Corrosion Resistance



Rust spots

No Rust



All MasterWeld welding wires, electrodes and consumables are sold into the UK and Ireland through AES Industrial Supplies Ltd.



**MASTERWELD**

The Welders' Ultimate Choice



All MasterWeld products are sourced from reputable welding equipment and consumable manufacturers that have suitable quality management systems and factory production control in place in accordance with ISO 9001 and BS EN 13479.

Dealer

**Masterweld - The Welders' Ultimate Choice**

