

# SIFMIG SG2/A18 G3Si1 Mild Steel MIG Wire

Copper-coated, double-deoxidised mild steel MIG wire for welding unalloyed and low-alloy mild and medium tensile steels, offering impact toughness down to -20°C. Manufactured with a high-quality copper finish for improved wire feeding and precision layer-wound for consistent performance.

Suitable for use on a wide variety of mild steels, including structural steel, fine-grain steel, pipe steel, boiler steel, and cast steel. Ideal for general fabrication, construction, tanks and boilers, repair work, and autobody applications. Contains specific additions of manganese and silicon to provide good mechanical properties.

## Positions



For use in all positions.

**Current**  
**Shielding Gas**

DC=+  
CO<sub>2</sub>, ArCO<sub>2</sub>

## Typical Weld Metal Composition

C 0.1%      Si 0.8%      Mn 1.3%  
Cr 0.1%

## Typical Mechanical Properties

Melting Point      1450°C  
Ultimate Tensile Strength      400N/mm<sup>2</sup>  
Hardness      120

## Available Formats

| Dia.  | 0.7kg    | 5kg      | 15kg     | 250kg     |
|-------|----------|----------|----------|-----------|
| 0.6mm | WA180607 | WA180650 | WA180615 |           |
| 0.8mm | WA180807 | WA180850 | WA180815 | WA1808250 |
| 1.0mm |          | WA181050 | WA181015 | WA1810250 |
| 1.2mm |          |          | WA181215 | WA1812250 |

## Standards

EN ISO 14341-A: G 42 4 C1/M21 G3Si1  
AWS A5.18 ER70S-6  
(BS 2901: A18)  
(DIN SG2)

