



MS-A801Cu

DESCRIPTION & APPLICATION

MIG/TIG Filler Wire for the joining of weathering steels such as Corten A. Applications include Architectural structures, Bridges and Exhaust Gas Flues. The weld metal also exhibits improved resistance to preferential corrosion in sea-water particularly those rich in oxygen such as Arctic.

BASE MATERIALS

BS 4360 WR50A-WR50C
Corten A, Patinax

ASTM A588 grades A,B,C,K
Din 1.8960, 1.8961, 1.8963

MECHANICAL PROPERTIES

>620

UTS n/mm

>520

YIELD 0.2%

25

ELONG A5%

60

CHARPY (J) -20°C

METAL WELD COMPOSITION %

C

0.08

Si

0.8

Mn

1.4

Cu

0.4

Ni

0.8

Cr

0.12

Fe

BAL

PACKAGING

15kg Spools (MIG)
5kg Tubes (TIG)

DIAMETERS

0.8, 1.0, 1.2mm (MIG)
1.6, 2.4, 3.2mm (TIG)

WELDING INSTRUCTIONS

MIG Shielding Gas 5% or 20% CO₂ in Argon or proprietary mix. TIG 100% Argon

Note: The designation suffix-G indicates an agreement between a manufacturer and an end user, due to the fact that the wire in question does not exactly meet the requirements of a standard specification, e.g -D2. It does, however, mean that wires with this designation from various manufacturers can have variable chemical compositions.