



Solid wire

Welding of Low Temperature Steel

MS-A801

DESCRIPTION & APPLICATION

MIG/TIG Filler Wire for the joining of Steel operating at low temperatures. Excellent impact values at -50°C Improved resistance to preferential corrosion, therefore ideal for welding rebar and ties in external applications.

BASE MATERIALS

BS 4360 WR50A-WR50C
ASTM A588 grades A,B,C,K, A333 Grades 1, 4, 6, 10
Din. 1.8960, 1.8961, 1.8963

MECHANICAL PROPERTIES

>610	>525	25	~45
UTS n/mm	YIELD 0.2%	ELONG A5%	CHARPY (J) -20°C

METAL WELD COMPOSITION %

C	Si	Mn	Ni	Cr	Fe
0.12	0.6	1.15	0.9	0.02	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.