

Dual Shield 8100-W

AWS A5.29 E81T1-W2C / JIS Z3320 YFA-58W

Description

- Dual Shield 8100W is an all-position electrode developed specifically to meet the demand for weld deposits that color match the low alloy, high strength weathering grade steels.
- Field testing on U.S.S. Cor-Ten® showed that, after atmospheric exposure, there was no discernible difference between the color of the weld metal and the base metal. This electrode displays good operator appeal and produces high strength deposits. It is an ideal choice for structural applications where the architectural “weathering look” is of importance.

Flux
CORED
WIRES

Shielding Gas : 100%CO₂

Application

- Dual Shield 8100W is designed to operate in the flat, vertical and overhead positions. It is intended for use on low alloy weathering grade steels such as A588, A242, Cor-Ten® and Mayari R®. This electrode is designed to be shielded with CO₂ gas only.

Typical Mechanical Properties of All Weld Metal

Yield Point N/mm ² {kgf/mm ² }	Tensile Strength N/mm ² {kgf/mm ² }	Elongation (%)	Impact Value J(kgf · m)	
			-5 °C	-30 °C
550 {56}	620 {63}	26	80 {8.1}	35 {3.6}

Typical Undiluted Weld Metal Analysis %

C	Mn	Si	P	S	Cr	Ni	Cu
0.04	1.01	0.59	0.015	0.011	0.54	0.58	0.47

Approvals

ABS