

ES EM12

SAW
S2

ESWECO
The Art of Welding

Description

ES EM12 is a copper-coated, semi-killed wire for the submerged arc and electro-slag welding of medium and high strength structural steels.

It can be combined with the following fluxes:

ES FLUX 171, ES FLUX 180

ES FLUX 181 and ES FLUX 900.

ES EM12 can be applied both for high-speed welding steel plate of 450-500 MPa tensile strength steel (e.g. boiler, bridge, pressure vessel, and LPG cylinder).

Classifications

SFA/AWS A5.17	EM12
EN 756	S2

Typical all weld metal composition, %

C	Si	Mn
0.1	<0.1	1.0

Classifications

FLUX + WIRE	AWS	EN
ES FLUX 171	F7A4-EM12/F6P4-EM12	S 38 4 AB S2
ES FLUX 180	F7A2-EM12/F6P0-EM12	S42 0 CS S2
ES FLUX 181	F7A0-EM12/F7PZ-EM12	S 46 0 AR S2
ES FLUX 900	F7A4-EM12/F6P4-EM12	S 38 4 AB S2