

MIG/MAG Cored Wires High-strength steels

FLUXOFIL 45 is a seamless copper coated basic flux cored wire for welding high-strength fine grain structural steels. Quiet and smooth running with low spatter loss and easy slag removal producing uniform and smooth beads which are free from porosity. The mechanical properties of the weld depend on the cooling conditions and are influenced by the heat input and interpass temperature.

Classification					
EN ISO	18276-A: T 89 4 Z B M 2 H5				
AWS	A5.29: E120T5-GM H4				

Approvals	Grade
DB	•
TÜV	•

 ϵ

Chemical analysis (Typical values in %)

C	Mn	Si	Р	S	Cr	Ni	Мо
0.09	2	0.5	0.01	0.01	1	1.8	0.4

All-weld metal Mechanical Properties

Heat Treatment	Yield Strength	Tensile Strength	Elongation	Impact Energy ISO - V (J)
	(MPa)	(MPa)	A5 (%)	-40 °C
As Welded	≥ 890	940-1180	≥ 15	≥ 47

Gas test: 82% Ar+18% CO2

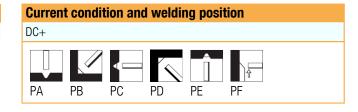
Shielding Gas - EN ISO 14175: M21

Materials

S890

Storage

Keep dry and avoid condensation



Packaging data

Packaging Type	B300	
Diam(mm) / weight(kg)	16	
1.2	•	

