



GB/T 36034 S62 A/P -

AWS A5.23 F9A/P4-EF4

EN ISO 26304 -

# AK EF4

## Description

EF4 is a submerged arc welding flux designed to provide stable arc behavior, smooth slag detachability, and clean weld surface appearance. It works well with suitable SAW wires to achieve reliable weld metal quality, efficient deposition, and consistent mechanical performance in carbon steel fabrication applications.

## Application Scenario

EF4 is suitable for steel structures, pipe fabrication, pressure vessels, tanks, and general heavy fabrication. It is especially useful in automated submerged arc welding processes where manufacturers need stable welding performance, easy slag removal, and consistent weld quality for continuous production environments.

### Typical Chemical Composition(%):

	C	Si	Mn	S	P	Ni	Cr	Mo	Cu
<b>Requirement</b>	0.16-0.23	0.15-0.35	0.60-0.90	0.030	0.025	0.40-0.80	0.40-0.6	0.15-0.30	0.35
<b>Actual Result</b>	0.19	0.26	0.72	0.009	0.013	0.75	0.50	0.22	0.10

### Typical Mechanical Properties:

	Tensile Strength (MPa)	Yield Stress ( MPa)	Elongation (%)	Impact Values ( J )
<b>Requirement</b>	---	---	---	---
<b>Actual Result</b>	---	---	---	---