

SPA FeAl5

CATEGORY Metal spray wires

TYPE Cored wire for the thermal spray process

APPLICATIONS Rough surfaces against sliding and or applications that require a smooth finish after machining.

PROPERTIES Aluminium alloyed tubular wire for electric arc spray on a Fe-Al basis with high bond strength.

CLASSIFICATION AWS no standard
EN ISO no standard

SUITABLE FOR Coating walking surfaces against sliding, stairs, traction wheels and rollers, buffer layers etc.

SPRAY WIRE ANALYSIS % (TYPICAL VALUES)

C	Mn	Si	Al	Ni	Mo
2.0	0.7	0.5	5.0	-	<0,15

MECHANICAL PROPERTIES

Heat Treatment	Rp0,2 (N/mm ²)	Rm (N/mm ²)	A5 (%)	Impact Energy (J) ISO-V			Hardness HRB
				-20°C	-40°C	-60°C	
							~160

SPRAY PARAMETERS / PACKING

Spray Parameters					Packing
D (mm)	Voltage (V)	Current (A)	Distance	Air pressure	spool / drum
1,6	32	100-200	15-22 cm	60 psi	15 kg K-300 / 250 kg Drum

REDRYING TEMPERATURE 150`C / 24hr

PREPARATION The surface must be free from dirt, grit blasting in a 90 degrees angle with aluminum oxide usually offers the best results.