

CORODUR[®] SP 111

Flux cored wires for Thermal Spray Application EN ISO 14919 – 5 – 1,6 - 4

MATERIAL REVIEW:

Abrasion and corrosion resistant coating which is easy to polish. Coatings are ductile and thermal resistant up to 870°C with low coefficient of friction with increasing hardness in service. Wire shows high deposition rate. Made exclusively for arc spraying, but may also be sprayed by wire-and high-velocity-wire-flame-spraying.

APPLICATION:

Applications are plunger, shafts, components of chemical plants, sleeves, engine bearings, and other chrome plated parts.

COMPOSITION (Weight.-%):

Fe	Cr	Si	В	Mn	С
Bal.	30	1,3	2,8	1	0,9

PHYSICAL PROPERTIES OF THE COATING:

Hardness:

40-45 HRc

SPRAY PROCEDURE (Arc):

	Atomizing Air Pressure	Nozzle Cap	Arc Load Volt	Ampere	Stand off mm	Coating thickness / pass mm/pass	Deposit Efficiency %
Standard 1,6 mm							

SALES UNIT:

Coil	"BS 300" = 15 kg	"B 450" = 25 kg	Other dimensions
Wire Diameter	1,6 mm (1/16")	2,4 mm	uppon request

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Corodur Fülldraht GmbH may change the characteristics of the wire without notice. Statements on composition and application are just for the applier's information. Statements on mechanical properties always refer to the all-weld-metal according to valid standards. We recommend the applier to check our products for their special application autonomously.