

CORODUR[®] 51

CLASSIFICATION:

DIN EN 14700 DIN 8555
T Z Fe15 MF 10-55-G

GENERAL CHARACTERISTICS:

CORODUR 51 is a flux-cored wire which deposits a martensitic matrix with a high content of Cr-Carbides M_7C_3 with excellent resistance to abrasion and medium impact up to 450°C. It can be applied whenever high abrasion is expected. Best results are achieved by welding in two layers. The deposit can not be machined or forged. Before overlaying old previously hardfaced surfaces a buffering layer of CORODUR 200 K or CORODUR 250 K is recommended.

APPLICATION:

Waste crushing, shredder equipments , conveyer screws, pumps, mixer parts, shovel-buckets, scrapers, fan-blades

TYPICAL ALL WELD METAL ANALYSIS (%):

C	Si	Mn	Cr	B
4,5	1,2	0,4	21,0	+

TYPICAL ALL WELD METAL MECHANICAL PROPERTIES:

Hardness: 58–59 HRC

PARAMETER:

Diameter	Voltage	Amps
1,2	18 - 24	140 - 240
1,6	20 - 26	160 - 260
2,0	22 - 26	240 - 280
2,4	24 - 27	280 - 340
2,8	25 - 28	320 - 400

FORMS OF DELIVERY:

Coil "BS 300" = 15 kg | Coil "BS 450" = 25 kg | Drums = 300 kg

OA = gasless, G = gas shielded, SA = Submerged Arc