

# CORODUR® 51

CORODUR® 51 OA is a flux-cored wire which deposits a martensitic matrix with a high content of Cr-Carbides M7C3 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.



Pumps, mixer parts, conveyer screws, shovel-bucket, scrapers, blades, fan-blades.

## TYPICAL ALL WELD METAL ANALYSIS (%)

Base = Fe

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

Hardness HRc

58-59

## PARAMETER

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

Other Dimensions on demand

## FORMS OF DELIVERY

Unit	Weight
Coil BS 300	15 kg
Coil B 450	25 kg
Drums	300 kg

G = Gas shielded, OA = Open Arc, SA = Submerged Arc