

# PRODUCT DATA SHEET

## Afrox Cobalarc I

Afrox Cobalarc I is a chromium carbide hardfacing electrode for use in the downhand position only. The weld metal is unmachinable, but can be ground. The deposited metal is highly resistant to abrasive wear with moderate impact and is recommended for general hardfacing applications on carbon steels, 14% manganese steels and cast iron. Deposits should be limited to two layers to eliminate relief checks.

### Applications

The electrode is recommended for general hardfacing applications on carbon steel, alloy steel and cast iron parts. Typical components welded are dredger buckets, excavator shovels, dragline teeth, bulldozer cutting edges and agricultural implements.

### Classifications

DIN	8555	E10-UM-55-GPR
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### Typical Chemical Analysis (All weld metal)

% Carbon	3,5 - 4,5	% Silicon	1,5 max
% Manganese	0,5 - 2,0	% Chromium	33,0 - 38,0

### Typical Hardness

Matrix	49 - 59 HRc
Carbides	1 500 HV

### Packing Data

(AC DC+/- 70 OCV min)

Diameter (mm)	Electrode Length (mm)	Current (A)	Pack Mass (kg)	Item Number
4,0	450	160 - 200	5,0	W075684
5,0	450	160 - 240	5,0	W075685

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For more information contact the Aprox Customer Service Centre Tel: 0860 02 02 02  
E-mail: [customer.service@afrox.linde.com](mailto:customer.service@afrox.linde.com) Website: [www.afrox.com](http://www.afrox.com)

