

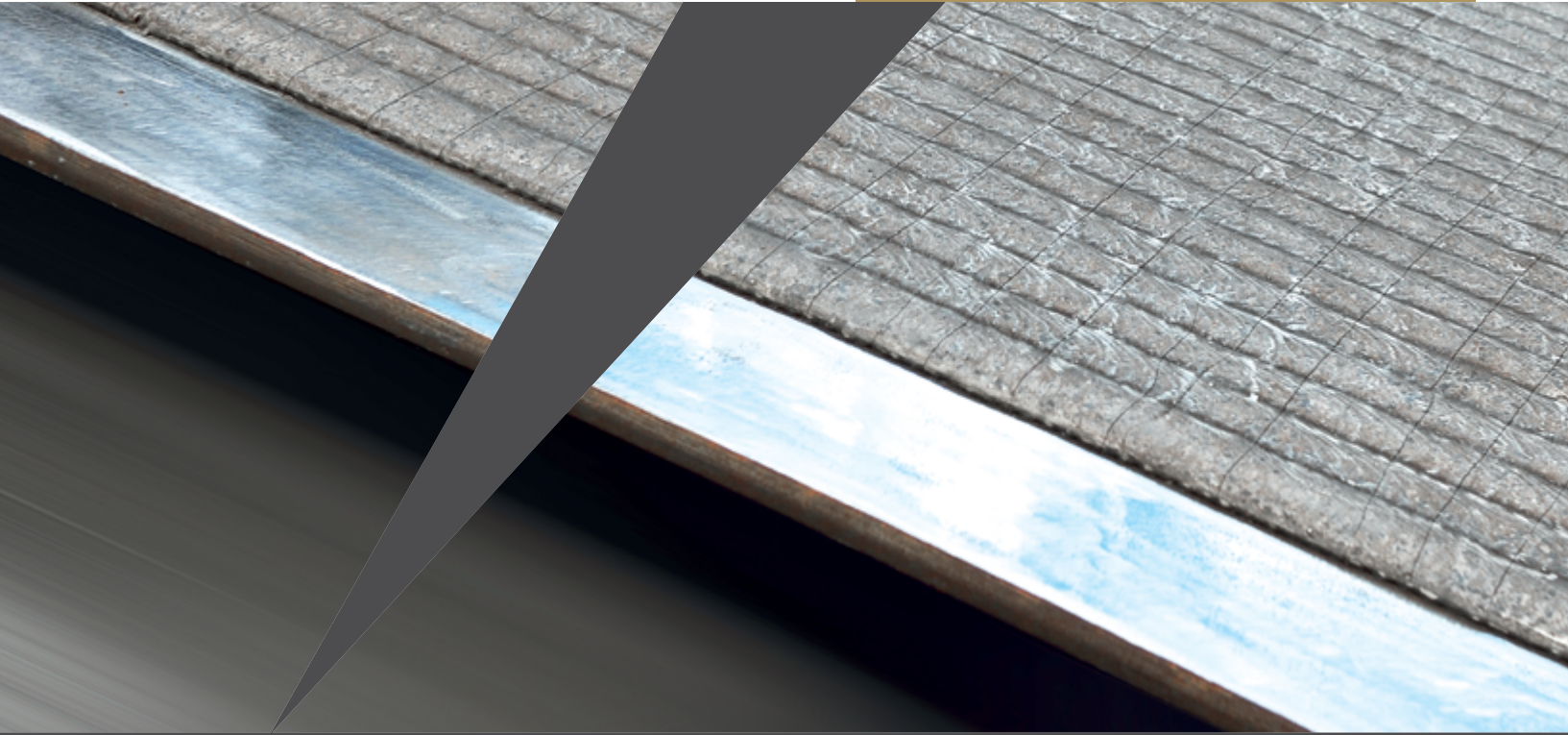
HIGHLY WEAR RESISTANT SPECIALIZED COATINGS

40 | ®  
YEARS

# DATA SHEET **EURODUR®** **1680 N** **WELDING FILLER MATERIAL**

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Special alloy for the glass industry



## PLANNING & CONSULTING



From consulting and system analysis to the finished product.

## COMPETENT CONTACTS



The right application specialists for every challenge.

## CONSTRUCTION & PRODUCTION



We manufacture your order to the highest standards, with the greatest care and using cutting-edge technology.

## DELIVERY / ASSEMBLY



Flexible and reliable - including on-site assembly on request.

As a matter of principle, EURODUR® relies on innovative products as well as intensive cooperation with you as our customer. Only by working together we can solve your individual challenges quickly and successfully! This is confirmed by hundreds of active EURODUR® customers from many different industries, such as the cement, mining, steel and glass industries.



40 YEARS | **E**<sup>®</sup>

# DATA SHEET

## EURODUR<sup>®</sup> 1680 N

### WELDING FILLER MATERIAL

Special alloy for the glass industry

## PRODUCT INFORMATION

EURODUR<sup>®</sup> 1680 N is a self-shielding flux-cored wire for highly wear-resistant, low nickel build-up welding. Due to the high proportion of chromium, silicon and boron in combination with a maximum nickel content of 0.04%, this special alloy offers maximum protection against unwanted nickel-sulphide inclusions during glass production.



#### Coating thicknesses

The application should be carried out in 2 - 3 layers, with a maximum thickness of 8 mm. The best results are obtained with a two-layer weld.

#### Physical properties

At normal temperature (20 °C), EURODUR<sup>®</sup> 1680 N has a hardness of up to 63 HRC +/- 3 and can be used at operating temperatures up to 500 °C. The hardness was measured on test piece DIN 32525-4.

#### Applications

EURODUR<sup>®</sup> 1680N is suitable for extremely heavy wear caused by mineral materials. The weld metal is corrosion-resistant.

#### Successful application examples for EURODUR<sup>®</sup> 1680 N

Conveyor systems, mixer linings, crushers, mixer blades, scrapers

#### Delivery forms:

Product types:	0A
Coil BS 300 (DIN EN ISO 544):	15 kg
Coil B 450 (DIN EN ISO 544):	25 kg
Drum:	150/250 kg

#### Welding recommendation:

ø [mm]	Current [A]	Voltage [V]
1.2	150-240	18-26
2.0	220-300	22-26
2.4	260-320	24-27
2.8	300-360	26-28