

# DURMAT<sup>®</sup> 516-PTA

## PTA metal powder for corrosion resistant hardfacings

### General characteristics:

DURMAT 516-PTA is resistant against corrosion. Austenitic weld metal with low carbon content. For PTA surfacing of non-alloy, low-alloy and high-alloy steels and corresponding cast steels. Austenitic weld metal with 8 to 10 %  $\delta$ -Ferrite. Resistant against pitting corrosion and inter crystalline corrosion up to temperatures of 400 °C. Scales resistant up to 800 °C. Mirror finishing possible.

### Application:

Chemical industry, food processing industry, buffer layer for hard facing

### Chemical composition (in wt-%):

Cr	C	Mo	Ni	Fe
18	0.03	3	13	Balance

### Physical characteristics:

Hardness:	215 HB
Melting point:	1,530 °C
Density:	8.0 g/cm <sup>3</sup>
Structure:	austenitic
Grain Size:	-160 +63 $\mu$ m **)

### Delivery form:

PE-bottle:	5 kg **)
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### Processing recommendation:

Machining:	Grinding + Turning
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### Welding recommendation:

Remove damaged material. Clean weld zones. Match heat input during welding to component, material and dimension. Keep dilution low. Surfaced part has to be cool down slowly.

\*\*) others on request