

# DURMAT<sup>®</sup> 520-PTA

## PTA metal powder for corrosion resistant hardfacings

### General characteristics:

DURMAT 520-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.

### Application:

Chemical industry, food processing industry, buffer layer for hardfacing

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

Cr	C	Mn	Ni	Fe
18-19	<0.1	6-7	9	Balance

### Physical characteristics:

Hardness:	170 HB, work hardened to 400 HB
Melting point:	1,310 °C
Density:	8.0 g/cm <sup>3</sup>
Structure:	austenitic
Grain Size:	-160 +63µm **)

### 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