

DURMAT[®] 525-PTA

PTA metal powder for corrosion resistant hardfacings

General characteristics:

DURMAT 525-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. Thermal shock resistant up to 850°C.

Application:

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

Chemical composition (in wt-%):

Cr	C	Mn	Ni	Fe
14-15	0.4	15-16	1.2	Balance

Physical characteristics:

Hardness: 250 HB, work hardened to 500 HB
Melting point: 1,310 °C
Density: 8.0 g/cm³
Structure: austenitic
Grain Size: -160 +63 μm **)

Delivery form:

PE-bottle: 5 kg **)

Processing recommendation:

Machining: Grinding + Turning

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