

DURMAT[®] 625-PTA

PTA metal powder for corrosion resistant hardfacings

General characteristics:

DURMAT 625-PTA is high corrosion resistant e.g. in acids with chloride content or sea water. Good resistance against abrasion and friction. High ductility. Comparable to Inconel 625.

Application:

For plasma powder surfacing of non alloy, low alloy and high alloy steels and corresponding cast steels. Typical applications are ship's engine parts, power plant components, valve components for mineral oil, tools for underwater work and low temperature equipment.

Chemical composition (in wt-%):

Cr	C	Mo	Nb	Fe	Ni
21	0.05	9.2	3.5	3	Balance

Physical characteristics:

Hardness: 210 HV_{0.1}
Density: 8.1 g/cm³
Grain Size: -160 +63 μm **)

Delivery form:

PE-bottle: 5 kg **)

Welding recommendation:

Remove damaged material. Clean weld zones. Keep dilution low.

**) others on request