

# DURMAT<sup>®</sup> 530-PTA

## PTA metal powder for corrosion and abrasion resistant hardfacings

### General characteristics:

DURMAT 530-PTA is a atomized powder, which deposits a high Cr-alloyed hardfacing. It can be applied as abrasion and corrosion resistant hardfacing. Suitable for impact wear and elevated temperature conditions.

### Application:

Hardfacing on steelmill rolls, forging presses, hot piercing dies, back up rolls.

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

Cr	C	Si	Mo	V	Co	Fe
12	0.3	0.4	1.3	1	1.5	Balance

### Physical characteristics:

Hardness: 47-52 HRC  
Structure: ferritic-martensitic  
Grain Size: -160 +63  $\mu\text{m}$  \*\*)

### Delivery form:

PE-bottle: 5 kg \*\*)

### Welding recommendation:

DURMAT 530-PTA is deposited crack free by controlling the operational conditions. For substrate materials with high carbon content a buffer layer or preheating is recommended. After welding, the component should be cooled slowly preferably by furnace operation.

\*\* ) others on request