

# DURMAT<sup>®</sup> 58-PTA

**PTA metal powder for high adhesive strength and resistant hardfacings**

## General characteristics:

DURMAT 58-PTA has an excellent resistance to wear and corrosion and a low friction coefficient. It is corrosion resistant and acid durable, resistant to heavy abrasion and heat. Its extreme hardness allows for excellent gliding on high tensile strength steels and plastics. DURMAT 58-PTA can be mixed with FTC fused tungsten carbide to provide maximum wear resistance.

## Application:

Applying on conveyor screws, wear rings, pump screws, scrapers for brick industry, guide rolls and fan blades, etc.

## Chemical composition (in wt-%):

C	Si	Cr	Ni	B	Fe
0.75	4.3	15	Balance	3.1	3.5

## Physical characteristics:

Density:	8.0 g/cm <sup>3</sup>
Hardness:	~ 52 HRC
Melting point:	1,030 °C
Structure:	Ni-Matrix + Cr-Carbide / Ni-Borid
Grain Size:	-160 +63 µm **)

## Processing recommendation:

Machining:	Grinding
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## Delivery form:

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

Remove damaged material. Clean weld zones. Keep dilution low. Coated parts have to cool down slowly.

\*\*) others on request