

# DURMAT<sup>®</sup> 109 WC-Co-Cr-Ni 85 10 4 1

**agglomerated and sintered**  
**EN 1274 — — \*)**

## Application:

Metal bound carbide powder for wear resistant coatings produced by flame-, plasma or high-velocity-flame-spraying (HVOF). Preferably HVOF-sprayed. Compared to Ni-free WC-Co/Cr powders coatings of DURMAT<sup>®</sup> 109 are more corrosion resistant. High deposition efficiency. Very dense and ductile coatings can be achieved with hardness of 1100 – 1200 HV<sub>0.1</sub> auf. The coatings can be used at application with combined loads: abrasion, erosion and corrosion.

## Chemical Composition (in wt-%):

Co	Cr	WC	Ni
10 ± 1	4 ± 0.5	balance	1.0-1.5

## Physical Characteristics:

Apparent Density (ISO 3923-2):	4.3 – 5.4 g/cm <sup>3</sup> **)
Particle Size Range in µm *):	22/5 38/15 53/22
Particle Shape:	Preponderant spherical

\*) According to EN 1274 3.3 or as per individual customer specification.

\*\*\*) Dependent from designated size.