

# DURMAT<sup>®</sup> 354 NiCrBSi + WC-12Co

gas atomized and agglomerated powders, blended  
EN 1274 — — \*)

## Application:

DURMAT<sup>®</sup> 354 is rust and acid durable, resistant to erosion, abrasion and heat. DURMAT<sup>®</sup> 354 especially developed to produce thin, hard, dense and smooth coatings. Similar to DURMAT<sup>®</sup> 356 but higher WC-Co-content.

## Typical chemical composition (in wt-%):

	Ni	Cr	B	Si	C	
50% Matrix	balance	16-17	3.3	3.8	0.8-1.0	
	Ni	Co	Fe		C	W
50% D-101	≤ 0.6	12 ± 1	≤ 2		4.8 + 0.7	balance

## Physical Properties:

Density:	DURMAT <sup>®</sup> 456:	7.8 – 8.1 g/cm <sup>3</sup>
	DURMAT <sup>®</sup> 101:	4.3 – 5.4 g/cm <sup>3</sup>
Particle Size Range in µm*):	125/45	
	90/45	
	45/22	
	25/5	
Hardness:	DURMAT <sup>®</sup> 456:	~ 56HRC
Melting Point:	DURMAT <sup>®</sup> 456:	1070°C

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