

## AMPERIT<sup>®</sup> 344 Co Hardfacing Alloy 6

<b>Chemical Formula</b>	CoCrWCSi
<b>Description of Product</b>	Gas Atomized
<b>Grades Available</b>	<b>Product Designation</b>
	AMPERIT <sup>®</sup> 344.002 90/45 µm
	AMPERIT <sup>®</sup> 344.074 45/15 µm
	AMPERIT <sup>®</sup> 344.088 53/20 µm
<b>HS Number</b>	81052000

### Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [µg/g])

Cr	27.0 - 30.0 %
W	4.0 - 5.0 %
C	1.0 - 1.2 %
Si	0.8 - 2.0 %
Ni	max. - 1.5 %
Fe	max. 1.5 %
Mn	max. 1.0 %
Mo	max. 0.3 %
Co	balance

### Physical Characteristics

(Grain Size Distribution and Tolerances above / below max. in %)

Particel Size Distribution	344.002	344.074	344.088
+ 90 µm	max. 7 % <sup>1)</sup>		
+ 53			max. 7 % <sup>1)</sup>
+ 45 µm		max. 7 % <sup>1)</sup>	
- 45 µm	max. 13 % <sup>1)</sup>		
- 20 µm			max. 13 % <sup>2)</sup>
- 15 µm		max. 13 % <sup>2)</sup>	

1) ROTAP Screening per ASTM B 214, 2) MICROTRAC by Laser Light Diffraction per ASTM C 1070.

**Packaging** Standard Packaging  
5 kg in one 2.5 l PE bottle, 6 bottles (30 kg) in one cardboard box.

**Storage and Handling** Storage and handling are subject to the rules and regulations in the country of use.

**Hazards identification in Advertising (REGULATION (EC) No 1272/2008 Article 48)**

Respiratory sensitisation Category 1  
Skin sensitisation Category 1  
Eye irritation Category 2  
Reproductive toxicity Category 2  
Acute aquatic toxicity Category 1  
Chronic aquatic toxicity Category 1

**Documentation** An inspection document in accordance with EN 10204 is supplied with every shipment.

**Remarks** Always mix well before using.  
Other grain sizes on request.

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