

54700 Zinc Dust

Zinc dust can be used in all kinds of binders, formulations, applications, etc.

Excellent for the manufacture of zinc primers and shop primers. Also appropriate for the manufacture of speciality zinc related chemicals.

- Controlled particle size distribution combined with improved dispersion characteristics (enhanced shelf-life, free-flowing, anti-settling).

Specification

	Typical Value	Specification	Method
Total zinc	99 %	≥ 98.5 %	
Metallic zinc	95 - 96 %	≥ 94.0 %	Gas evolution
Lead (Pb)	0.05 %	≤ 0.1 %	AA (ISO3549)
Cadmium (Cd)	0.01 %	≤ 0.04 %	AA (ISO3549)
Iron (Fe)	0.001 %	≤ 0.005 %	AA (ISO3549)
Others	Spuren	≤ 0.001 %	AA (ISO3549)

	Typical Value	Specification	Method
Average particle size	3.4 µm	2.5 – 4.0 µm	Fischer sub sieve sizer (ASTM 8330-07)
Average particle size (x50)	2.8 µm	1.7 – 3.8 µm	Laser diffraction
Cut off diameter (x99)	15 µm		Laser diffraction
Sieve residue (45 µm)	0.003 %	≤ 0.01 %	ISO 3549

Oil absorption (ASTM D281)	6.5 %
Bulk density (ASTM B329-06)	2.3 g/cm ³
Tamped density (ISO R/787)	3.8 g/cm ³

Storage

Indoor, in a dry and ventilated area. To minimize the shelf-life and maintain product integrity, do not open the container until the material is to be used. It is strictly prohibited to store zinc metal pigment together with oxidants, acids and alkalis.