

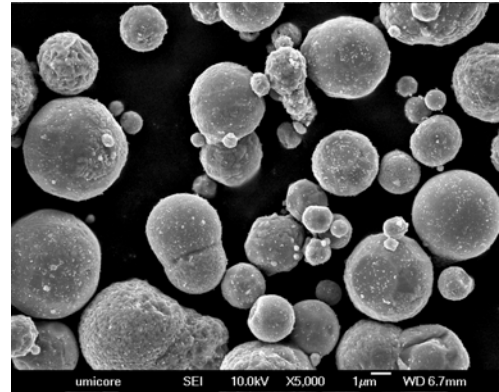
**TECHNICAL DATA SHEET**

# ZINC DUST STANDARD 7

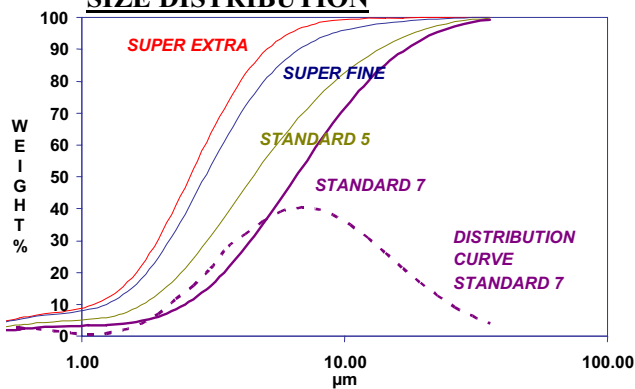
**Our product complies with ASTM D520 Type I norm.**
**GENERAL PURPOSES**

The Standard 7 grade is manufactured by zinc distillation. This grade is suitable for use in many binder formulations for the manufacture of zinc primers and shop primers, for example inorganic ethyl silicate and epoxy primers.

Particle size distribution, dispersion, free flowing and anti settling properties with good storage stability make the Standard 7 a superior quality for the manufacture of zinc rich primers and shop primers for both batch production and pre pack for on site mixing and application. It is also suitable for the manufacture of speciality zinc related chemicals.



Scanning electron microscope picture of Standard 7

**SIZE DISTRIBUTION**

**CHEMICAL ANALYSIS**

Elements	Method of analysis	Specification	Typical value
Total zinc	Calculation	≥ 98.5%	99 %
Metallic zinc	Gas evolution	≥ 94.0%	95% - 96%
Pb	AA	≤ 0.1%	0.03%
Cd	AA	≤ 0.04%	0.01%
Fe	AA	≤ 0.005%	0.001%
Others	AA	≤ 0.001%	Traces

Metallic zinc analysis is performed following BS 3982:1980 norm.  
Impurities content determination is performed according to ISO3549 norm.

**PHYSICAL PROPERTIES**

Elements	Method of analysis	Norms	Specification	Typical value
Average Particle size	Fisher Sub sieve Sizer	ASTM B-330/88	6.0 µ– 9.0 µ	7.5µ
Cut-off Diameter	Laser Diffraction	-	-	40µ
Sieve Residue at 45µm	Sieve	BS 410	≤ 0.5%	0.3%
Tamped density	Engelsmann	ISO R/787		4.2 g/cm <sup>3</sup>
Specific Gravity	-			7.1 g/cm <sup>3</sup>

**PACKAGING AND STORAGE REQUIREMENT**

- Metal Drums, can, pails or bulk bags.
- Storage: indoor in a dry ventilated area.
- Contact with air moisture will reduce the shelf life.

