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TECHNICAL DATA SHEET DELAPHOS ZINC PHOSPHATE

Zinc Phosphate is hydrated. It has a number of molecules of water associated with each molecule of Zinc Phosphate in the crystal structure. Delaphos is supplied as the Dihydrate form (Delaphos 2, 2M) or the Tetrahydrate form (Delaphos 4, 4M).

USES

Anti-corrosive paint primer systems, especially those based on solvent borne Epoxy-Polyamide, Chlorinated rubber, Alkyd and Polyurethane resins. Also effective in water-based systems.

<u>PHYSICAL PROPERTIES</u>	<u>Delaphos 2M</u>	<u>Delaphos 2</u>	<u>Delaphos 4M</u>	<u>Delaphos 4</u>	<u>TEST METHOD</u>
Loss on Ignition	8.50 – 10.00%	8.50 – 10.00%	10.00 - 15.00%	10.00 - 15.00%	ISO 6745
Zn content after ignition	50.5 – 52.0%	50.5 – 52.0%	50.5 – 52.0%	50.5 – 52.0%	ISO 6745
Resistance of aq. Extract	>6500 ohm- cm	>6500 ohmcm	>6500 ohmcm	>6500 ohm cm	ISO 787/14 modified
PH of aq. Extract	6 – 8	6-8	6 – 8	6 – 8	ISO 787/9 modified
Solubility in water	< 0.1%	< 0.1%	< 0.1%	< 0.1%	ISO 787/8
Specific gravity	3.1 g/cc	3.1 g/cc	3.1 g/cc	3.1 g/cc	ISO 787/10
Bulk density (typ.)	1.1 g/cc	1.1 g/cc	1.1 g/cc	1.1 g/cc	ISO 787/11
Pb Content Lead	<10 ppm	<10 ppm	<10 ppm	<10 ppm	ASTM D 4075
Conforms to BS5193 (1991) Retention of 45µm sieve	< 0.01%	< 0.3%	< 0.01%	< 0.3%	ISO 787/7
Fineness of Grind (Hegman)	>= 6	>= 4.5	>= 6	>= 4.5	ISO 1524
Oil absorption	20 –24g/100g	20 –24g/100g	20 –24g/100g	20 –24g/100g	ISO 787/5
Mean particle size	5.5µm	6.0µm	5.5µm	6.0µm	Coulter laser diffraction

PLEASE NOTE

Conforms to BS5193 (1991)

Co Registration No 3019120

Health Safety and Environmental information should be considered when using this product.

Issue 6/24

A specific Material Safety Data Sheet is available from: <http://delaphos.co.uk/products-overview/>