

Delpahos is part of JPE Holdings Ltd
The Lodge, Warstone Road
Essington, Wolverhampton
WV11 2AR. UK

Tel: +44 (0) 1922 475055
FAX: +44 (0) 1922 477354

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 waterbased systems.

PHYSICAL PROPERTIES	Delaphos 2M	Delaphos 2	Delaphos 4M	Delaphos 4	TEST METHOD
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 ohm-cm	>6500 ohm-cm	>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
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

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

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

Conforms to
BS5193 (1991)

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