

### PRODUCT DESCRIPTION

a zinc aluminium orthophosphate hydrate

- has a higher phosphate content than zinc phosphate. The absence of basic components in the pigment makes HEUCOPHOS® ZPA a versatile anticorrosive pigment for many applications.

### TECHNICAL DATA


Zinc as Zn [%]	38.5 - 40.5	ISO 6745
Aluminium as Al [%]	4.0 - 5.5	Complexometric titration
Phosphorus as PO <sub>4</sub> <sup>3-</sup> [%]	53.0 - 56.0	ISO 6745
Loss on ignition 600°C [%]	9.0 - 12.5	ISO 6745
Water-soluble chloride [%]	max. 0.025	acc. to ISO 787, Part 13
Water-soluble sulphate [%]	max. 0.05	acc. to ISO 787, Part 13
Conductivity [µS/cm]	max. 300	ISO 787, Part 14
pH	5.5 - 6.5	ISO 787, Part 9
Lead as Pb [ppm]	max. 10	ICP
Cadmium as Cd [ppm]	max. 10	ICP
Density [g/cm <sup>3</sup> ]	typ. 3.1	ISO 787, Part 10
Bulk density, untamped [g/cm <sup>3</sup> ]	typ. 0.3	acc. to ISO 787, Part 11
Bulk density, tamped [g/cm <sup>3</sup> ]	typ. 0.6	acc. to ISO 787, Part 11
Oil absorption value [g/100g]	typ. 40	ISO 787, Part 5
Sieve residue 32 microns [%]	max. 0.01	acc. to DIN 53 195
Average particle size [microns]	2.0 - 3.5	Coulter Multisizer II

### Legend:

Excellent choice **+++**

Good choice **++**

Possible choice **+**

 In addition recommended in combination with HEUCORIN® RZ

### APPLICATION PROFILE

#### Solvent based coatings

- Short and medium oil alkyds	<b>+</b>
- Long oil alkyds	<b>+++</b>
- High solids alkyds	
- Epoxies	<b>+++</b>
- Epoxyesters	<b>+</b>
- High solids epoxies	<b>+</b>
- Polyurethanes	<b>+++</b>
- Moisture cured polyurethanes	<b>+</b>
- Chlorinated polymers	<b>+++</b>
- Silicone resins	<b>+</b>

#### Water based coatings

- Soluble alkyds	<b>+++</b>
- Alkyd emulsions	<b>+</b>
- Epoxy emulsions	<b>+++</b>
- Epoxy dispersions	<b>+</b>
- 1-part polyurethanes	
- 2-part polyurethanes	<b>++</b>
- Silicone resins	<b>+++</b>
- Acrylics and modified acrylics	
- Butadienes	
- Hybrids	<b>+</b>

#### Specialty coatings

- Coil Coatings	<b>+</b>
- Aircraft Primers	
- Wash and shop primers	
- Direct to metal one coat	
- Baking enamels	<b>++</b>
- Acidic cured systems	<b>++</b>

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