

PRODUCT DESCRIPTION

a zinc aluminium polyphosphate hydrate
 - with improved electrochemical activity. HEUCOPHOS® ZAPP is an effective and versatile anticorrosive pigment for many binder systems.

TECHNICAL DATA


Zinc as ZnO [%]	28.0 - 31.0	ISO 6745
Phosphorus as P ₂ O ₅ [%]	46.0 - 49.0	ISO 6745
Aluminium as Al ₂ O ₃ [%]	11.0 - 13.0	Complexometric titration
Loss on ignition 600°C [%]	8.0 - 12.0	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. 100	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 ³]	typ. 3.1	ISO 787, Part 10
Bulk density, untamped [g/cm ³]	typ. 0.3	acc. to ISO 787, Part 11
Bulk density, tamped [g/cm ³]	typ. 0.6	acc. to ISO 787, Part 11
Oil absorption value [g/100g]	typ. 35	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	++
- Long oil alkyds	++
- High solids alkyds	
- Epoxies	+
- Epoxyesters	
- High solids epoxies	
- Polyurethanes	+++
- Moisture cured polyurethanes	
- Chlorinated polymers	++
- Silicone resins	

Water based coatings

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

Specialty coatings

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

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