

PRODUCT DESCRIPTION

an organic modified basic zinc orthophosphate hydrate
 - shows excellent protective behaviour in many binder systems, such as alkyd resins and physically drying systems, due to its special organic modification fixed on the particle surface.

TECHNICAL DATA


Zinc as Zn [%]	55.5 - 58.0	ISO 6745
Phosphorus as PO ₄ ³⁻ [%]	37.5 - 39.5	ISO 6745
Organic content [%]	typ. 0.3	
Loss on ignition 600°C [%]	7.0 - 11.0	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. 300	ISO 787, Part 14
pH	6.5 - 7.5	ISO 787, Part 9
Lead as Pb [ppm]	max. 10	ICP
Cadmium as Cd [ppm]	max. 10	ICP
Density [g/cm ³]	typ. 3.8	ISO 787, Part 10
Bulk density, untamped [g/cm ³]	typ. 0.5	acc. to ISO 787, Part 11
Bulk density, tamped [g/cm ³]	typ. 1.0	acc. to ISO 787, Part 11
Oil absorption value [g/100g]	typ. 20	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	

® = Registered trademark of Heubach GmbH. Our product specifications and application information are based on our current knowledge. They are non-binding and cannot be taken as a guarantee. The processing company must establish the suitability of individual products itself. As their use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in particular applications. In addition to that, the legal rights of third parties must always be considered. The specification agreed between the customer and ourselves is the basis upon which our general sales and delivery conditions are set and is the deciding factor concerning any liabilities. Our standard specification is then valid if no specification has been agreed upon between the customer and us.