

PRODUCT DESCRIPTION

a calcium aluminium polyphosphate silicate hydrate
 - HEUCOPHOS® CAPP gives good results in water based two-part epoxy resins and coating systems based on dispersions.

TECHNICAL DATA


Calcium as CaO [%]	26.5 - 29.5	Complexometric titration
Phosphorus as P ₂ O ₅ [%]	24.5 - 27.5	ISO 6745
Aluminium as Al ₂ O ₃ [%]	6.0 - 8.0	Complexometric titration
Silicon as SiO ₂ [%]	28.5 - 31.5	ISO 3262-17
Loss on ignition 600°C [%]	6.0 - 9.0	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. 150	ISO 787, Part 14
pH	6.0 - 9.0	ISO 787, Part 9
Lead as Pb [ppm]	max. 10	ICP
Cadmium as Cd [ppm]	max. 10	ICP
Density [g/cm ³]	typ. 2.7	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. 0.7	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]	2.5 - 4.0	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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