

PRODUCT DESCRIPTION

a basic zinc molybdenum orthophosphate hydrate
 - excellent results have been achieved by applying this anticorrosive pigment in water based coating systems using one-part polyurethanes.

TECHNICAL DATA


| | | |
|---|-------------|---------------------------|
| Zinc as Zn [%] | 53.5 - 56.5 | ISO 6745 |
| Phosphorus as PO ₄ ³⁻ [%] | 37.0 - 40.0 | ISO 6745 |
| Molybdenum as MoO ₃ [%] | 1.2 - 2.2 | Photometric determination |
| Loss on ignition 600°C [%] | 6.5 - 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. 250 | ISO 787, Part 14 |
| pH | 5.5 - 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. 4.0 | ISO 787, Part 10 |
| Bulk density, untamped [g/cm ³] | typ. 0.4 | acc. to ISO 787, Part 11 |
| Bulk density, tamped [g/cm ³] | typ. 0.9 | acc. to ISO 787, Part 11 |
| Oil absorption value [g/100g] | typ. 25 | 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 | |