

## PRODUCT DESCRIPTION

a zinc calcium strontium aluminium orthophosphate silicate hydrate  
 - **WSA** - *Wide Spectrum Anticorrosives* for application in both conventional and, in particular, modern resin systems.

## TECHNICAL DATA

Zinc as ZnO [%]	35.5 - 39.0	ISO 6745
Phosphorus as P <sub>2</sub> O <sub>5</sub> [%]	16.5 - 19.5	ISO 6745
Calcium as CaO [%]	13.0 - 16.0	Complexometric titration
Strontium as SrO [%]	4.0 - 6.0	ICP
Aluminium as Al <sub>2</sub> O <sub>3</sub> [%]	2.0 - 4.0	ICP
Silicon as SiO <sub>2</sub> [%]	14.0 - 17.0	ISO 3262-17
Loss on ignition 600°C [%]	5.5 - 10.0	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	6.5 - 8.0	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. 3.5	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. 30	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 **+**

**Resins with low or no VOCs**

 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	<b>++</b>
- 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	<b>+++</b>
- 2-part polyurethanes	<b>+++</b>
- Silicone resins	<b>++</b>
- Acrylics and modified acrylics	<b>+++</b>
- Butadienes	<b>+++</b>
- Hybrids	<b>+++</b>

### Specialty coatings

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