

PRODUCT DESCRIPTION

a zinc-5-nitroisophthalate
 - an **organic corrosion inhibitor** for the application in Protective Coatings

APPLICATION PROFILE

A major breakthrough in the world of anti-corrosives was the discovery of especially one effective organic inhibitor based on a zinc salt of an organic nitro compound. By adding very small quantities of HEUCORIN RZ to HEUCOPHOS pigments and thus taking advantage of unique organic-inorganic synergies, it is possible to improve existing protective coatings to some significant extent.

STANDARD PACKAGING

- 10 kg Paper Bags
- different types of packaging are available on request

TECHNICAL DATA

Zinc as Zn [%]	typ. 44	ISO 6745
Organic Content [%]	typ. 49	
Moisture [%]	5	ISO 787, Part 2
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 [$\mu\text{S}/\text{cm}$]	max. 500	ISO 787, Part 14
pH	6.5 - 8.0	ISO 787, Part 9
Density [g/cm^3]	typ. 2.6	ISO 787, Part 10
Bulk density, untamped [g/cm^3]	typ. 0.2	acc. to ISO 787, Part 11
Bulk density, tamped [g/cm^3]	typ. 0.4	acc. to ISO 787, Part 11
Oil absorption value [$\text{g}/100\text{g}$]	typ. 40	ISO 787, Part 5
Sieve residue 32 microns [%]	max. 0.01	acc. to DIN 53 195
Average particle size [microns]	2.0 - 4.5	Coulter Multisizer II

TAKING EFFECT OF SYNERGIES...

...by combining inorganic corrosion protection pigment with an organic corrosion inhibitor



Binder: Styrene Acrylic

Substrate: Cold rolled steel panels ST 1205

Exposure: 240 h Salt Spray Testing (ASTM B117-03) ISO 9227

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