

NOVINOX® ACE20

ECO-FRIENDLY MODIFIED ZINC PHOSPHATE



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ZINC PHOSPHATE
ACE20 029D



Description

NOVINOX® ACE20 is a corrosion inhibiting pigment suitable for a wide range of applications, from DIY to more demanding ones such as coil coating. It is a stable and non-hygroscopic white powder with a low tinting strength, it is easily dispersed.

NOVINOX® ACE20 is a modified Zinc Phosphate designed to be non toxic for the environment. As it contains more than 90% of PZ20, the replacement of Zinc Phosphate by **NOVINOX® ACE20** in formulations is straightforward. Like PZ20, **NOVINOX® ACE20** is compatible with a wide range of solvent and water based resins.

Technical data

	Nominal Value	Tolerance (+/-)	
Oil absorption (ml/100g)	27	5	ISO 787/5
Sieve residue - 45 µm (%)	0.05	max	ISO 787/7
pH	7.0	1.5	ISO 787/9
Specific gravity	Typ. 3.2		ISO 787/10
Zinc Phosphate content (%)	Typ. 90		ICP
D50 (µm)	Typ. 5		Laser granulometry
Fineness	North	Typ. 7	ISO 787/5
	Hegman	Typ. 5.5	ISO 1524

Recommended shelf life: 5 years

Formulators Guidelines

Solvent Based

	Performance
Short oil alkyd	★★★
Medium/long oil alkyd	★★
High solid epoxy	★★
2K epoxy	★★
Epoxy ester	★★
PU	★★

Best performances are obtained with a typical loading of 5 to 12% by weight on the total formulation and a PVC ranging from 20% to 40%

Water Based

Water reducible alkyd	nr
Alkyd emulsion	★★
Epoxy ester	★★
2K epoxy	★★
Acrylics/modified acrylics	★★

Specialty coatings

Wash primer	★
Coil coating	★★★★*
Powder coating	

Excellent: ★★★ Good:★★ Possible: ★ Not yet tested: ___
Not recommended: nr * : Normally used in association with other pigments (ex: ion exchanged Silica)

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