

# NOVINOX® ACE20

ECO-FRIENDLY MODIFIED ZINC PHOSPHATE



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ZINC PHOSPHATE

ACE20 0516D

## DESCRIPTION

NOVINOX® ACE20 is a corrosion inhibiting pigment suitable for a wide range of applications, from DIY to more demanding ones such as coil coatings. 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 (cm <sup>3</sup> /100 g)	27	5	ISO 787-5
Sieve residue - 45 µm (%)	0.05	max	ISO 787-7
pH	7.0	1.5	ISO 787-9
Pb Content (ppm)	100	max	ICP
Cd Content (ppm)	100	max	ICP
Density (g/mL)	Typ. 3.0		ISO 8130-2
D50 (µm)	Typ. 7		ISO 13320
Fineness	North Hegman	Typ. 7 Typ. 5.5	ISO 787-5 ISO 1524
Recommended shelf life: 3 years			

## Formulators Guidelines

### Solvent Based

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

### Specialty coatings

Wash primer	★
Coil coating	★ ★ ★*
Powder coating	

### Water Based

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

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

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%



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