

NOVINOX® PAT15

MAGNESIUM PHOSPHATE



ZINC FREE
PHOSPHATE
PAT15 067D

DESCRIPTION

NOVINOX® PAT15 is a corrosion inhibiting pigment developed to formulate chrome free coil coatings. It is a stable and non-hygroscopic white powder, it is easily dispersed.

NOVINOX® PAT15 is compatible with PU and PE/melamine systems designed for coil coatings. NOVINOX® PAT15 is usually used in association with NOVINOX® XCA02.

Technical data

	Nominal value	Tolerance (+/-)	
Oil absorption (cm ³ /100g)	45	8	ISO 787-5
pH	8.2	1.0	ISO 787-9
Sieve residue - 45 µm (%)	0.05	max	ISO 787-7
Loss on Ignition (%) - 1h at 600°C	35.4	max	Gravimetry
Density (g/mL)	Typ. 2.2		ISO 8130-2

Recommended shelf life: 5 years

Formulators Guidelines

Solvent Based

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

Water Based

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

Specialty coatings

Wash primer	nr
Coil coating	★★★*
Powder coating	

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 low PVC



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