

UNIPOL V 247 TOTAL ECO

Unipol V 247 TOTAL ECO is a plasticized, APEO free, aqueous copolymer emulsion based on vinyl acetate and the vinyl ester of a long chain branched carboxylic acid.

	Unit	Value	Method
Sales Specifications			
Solids content	%	50 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	3000 ± 1000	ISO 2555, Brookfield RVT; spindle 3; 20 rpm; 23 °C
pH		4.5 ± 0.5	DIN 53785 / ISO 1148
Typical values of emulsion			
Particle size	µm	0.20 - 0.80	
Minimum film forming temperature (MFFT)	°C	approx. 5	DIN 53787 / ISO 2115
Density	g/cm ³	approx. 1.04	ISO 8962
Typical values of film¹			
Appearance		Clear, tough	
Density	g/cm ³	1.09	with reference to DIN 53479
Water absorption	%		with reference to DIN 53495
Tensile Strength	Nmm ²	10	with reference to DIN 53455
Glass transition temperature (Tg)	°C	approx. 21	DIN 53765 (DSC; heating rate 10 K/min)

(1) Dried in standard conditioning atmosphere at 23 °C and 50 % relative humidity (DIN EN 23270)

Applications

Interior and exterior coatings

Primers

Vinyl Silk Paints

Textured coatings

Specific Information

Unipol V 247 TOTAL ECO is recommended for high quality interior coatings since it gives very good rheological profile to the final paint, excellent pigment binding power and good alkali resistance. Due to its very low free monomer, its very low content of formaldehyde and the odourless plasticiser it can be used for odourless, high quality ECO paints. It exhibits very high resistance to weathering and could be applied also to exterior surfaces. Finally, Unipol V 247 TOTAL ECO has relatively high film hardness and is suitable for the manufacture of vinyl silk paints.

Storage

Unipol V 247 TOTAL ECO can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol V 247 TOTAL ECO is available in 120 kg drums, 1.050 kg IBCs and bulk.

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