

UNIPOL A 7007

Unipol A 7007 is a self-crosslinking dispersion based on acrylic and methacrylic acid esters. It is APEO and plasticizer free.

	Unit	Value	Method
Sales Specifications			
Solids content	%	45 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	50 ± 40	ISO 2555, Brookfield RVT; spindle 1; 20 rpm; 23 °C
pH		8.5 ± 0.5	DIN 53785 / ISO 1148
Typical values of emulsion			
Particle size	µm	approx. 0.09	
Minimum film forming temperature (MFFT)	°C	approx. 18	DIN 53787 / ISO 2115
Density	g/cm ³	approx. 1.06	ISO 8962
Typical values of film¹			
Appearance		Clear, not tacky	
Density	g/cm ³		with reference to DIN 53479
Water absorption	%		with reference to DIN 53495
Tensile Strength	Nmm ²		with reference to DIN 53455
Glass transition temperature (Tg)	°C	approx. 26	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

Gloss and Semi-Gloss Paints
Pigmented and Clear Topcoats

Exterior and Interior Wood Coatings
Pigmented and Clear Primers for Wood

Specific Information

Unipol A 7007, using cross-linking technology, dries oxidatively to form a gloss, tough and water-resistant film. It is a pure acrylic polymer providing excellent film resistance properties and durability for interior and exterior applications. Due to its unique adhesion promotion system, Unipol A 7007 has very good adhesion to old alkyd systems.

The MFFT of the dispersion can be reduced by adding coalescing agents; studies show that best performance is achieved by using DPnB or combination of DPnB/DPM.

Storage

Unipol A 7007 can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol A 7007 is available in 120 kg drums, 1050 kg IBCs and bulk.

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