

UNIPOL A 982

Unipol A 982 is a water-based dispersion based on acrylic and methacrylic acid esters. It is APEO, ammonia and plasticizer free.

	Unit	Value	Method
Sales Specifications			
Solids content	%	50 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	500 ± 400	ISO 2555, Brookfield RVT; spindle 3; 20 rpm; 23 °C
pH		8.0 ± 1.0	DIN 53785 / ISO 1148
Typical values of emulsion			
Particle size	µm	approx. 0.12	
Minimum film forming temperature (MFFT)	°C	approx. 13	DIN 53787 / ISO 2115
Density	g/cm ³	approx. 1.05	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. 20	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

Superior weather resistance exterior paints	Resin bound plasters and textured coatings
Deep shade paints	Cement Paints
Primers	Architectural decorative high quality interior coatings

Specific Information

Unipol A 982 is highly recommended for those applications, where high water, alkali and yellow resistance is required. Due to its well balanced stabilization system Unipol A 982 has very good shear stability and shows very good wetting properties that result in exceptional filler compatibility. Unipol A 982 gives high colour stability and exterior durability even in climate zones with high UV radiation. Due to its internal cross linking system the water absorption of the film as well as the final paint is remarkably low minimizing water whitening.

The MFFT of the dispersion can be reduced by adding coalescing agents in the required by the application quantity.

Storage

Unipol A 982 can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol A 982 is available in 120 kg drums, 1.000 kg IBCs and bulk.

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