

## UNIPOL A 9800

Unipol A 9800 is a water-based dispersion based on acrylic and methacrylic acid esters. It is APEO, ammonia and plasticizer free.

	Unit	Value	Method
<b>Sales Specifications</b>			
Solids content	%	50 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	1000 ± 500	ISO 2555, Brookfield RVT; spindle 4; 20 rpm; 23 °C
pH		8.0 ± 1.0	DIN 53785 / ISO 1148
<b>Typical values of emulsion</b>			
Particle size	µm		
Minimum film forming temperature (MFFT)	°C	approx. 3	DIN 53787 / ISO 2115
Density	g/cm <sup>3</sup>	1.03	ISO 8962
<b>Typical values of film<sup>1</sup></b>			
Appearance		Clear, flexible, not tacky	
Density	g/cm <sup>3</sup>		with reference to DIN 53479
Water absorption	%		with reference to DIN 53495
Tensile Strength	Nmm <sup>2</sup>		with reference to DIN 53455
Glass transition temperature (Tg)	°C	approx. 10	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

Very low odor Interior & Exterior coatings	Superior weather resistance exterior paints
Low VOC Interior & Exterior coatings	Architectural decorative interior and exterior coatings
High pH / silicate / cement coatings	Deep shade paints

### Specific Information

Unipol A 9800 is especially designed for paint formulations with low-emissions and very low-odor specifications. It is highly recommended for those applications where high water, alkali and yellowing resistance is required. It provides 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 is remarkably low, and of the final paint as well, minimizing water whitening.

In addition, due to its well-balanced stabilization system, Unipol A 9800 has very good shear stability and shows very good wetting properties that result in exceptional filler compatibility. Combined with its superior wet scrub resistance, it is also recommended for the formulation of superb quality and cost-effective interior coatings.

The addition of coalescing agents should be avoided, unless otherwise desired.

### Storage

Unipol A 9800 can be stored for at least 6 months between +5°C and +40°C.

### Packaging

Unipol A 9800 is available in 120 kg drums, 1050 kg IBCs and bulk.

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