

UNIPOL A 9889

Unipol A 9889 is a water-based dispersion, pure acrylic, self-cross linking. It is APEO and ammonia free.

	Unit	Value	Method
Sales Specifications			
Solids content	%	50 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	500 ± 400	ISO 2555, Brookfield RVT; spindle 4; 20 rpm; 23 °C
pH		8.0 ± 1.0	DIN 53785 / ISO 1148
Typical values of emulsion			
Particle size	µm	Approx. 0.10	
Minimum film forming temperature (MFFT)	°C	approx. 4	DIN 53787 / ISO 2115
Density	g/cm ³	approx. 1.05	ISO 8962
Typical values of film¹			
Appearance		Clear, rigid, not tacky	
Glass transition temperature (Tg)	°C	14	DIN 53765 (DSC; heating rate 10 K/min)

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

Key Features

Superb water whitening resistance	High hydrophobicity
Excellent adhesion to mineral substrates	High transparency
Outstanding weather, yellowing and alkali resistance	Excellent dirt pick-up resistance

Applications

Mosaic plasters	Exterior insulation and finishing systems (EIFS)
Hydrophobic coatings	Wood coatings
Superior weather resistance exterior paints	Wood stains
Textured finishes	

Specific Information

Unipol A 9889 is highly recommended for those applications where high resistance to water whitening, water, alkali and yellowing is required. Unipol A 9889 provides high color stability and exterior durability even in climate zones with high UV radiation.

Unipol A 9889 is compatible with a variety of thickeners and defoamers. In mosaic plasters, cellulose thickeners improve application properties but may decrease the water resistance, while PU-thickeners do not alter the water resistance but might affect negatively the applications properties. Defoamers with low efficiency should be used in order to prevent coarse particle size filler from settling. Trials must be carried out to determine the most suitable grades and concentration.

Storage

Unipol A 9889 can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol A 9889 is available in 120 kg drums, 1050 kg IBCs and bulk.

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