

UNIPOL A 9055

Unipol A 9055 is a water-based dispersion based on acrylic and methacrylic acid esters. It is APEO, ammonia and plasticizer free. The dispersion meets specification AFNOR 84.404/DTUO42/1.

	Unit	Value	Method
Sales Specifications			
Solids content	%	60 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	300 ± 200	ISO 2555, Brookfield RVT; spindle 2; 50 rpm; 23 °C
pH		8.0 ± 1.0	DIN 53785 / ISO 1148
Typical values of emulsion			
Particle size	µm	approx. 0.4	
Minimum film forming temperature (MFFT)	°C	approx. 0	DIN 53787 / ISO 2115
Density	g/cm ³	approx. 1.02	ISO 8962
Typical values of film¹			
Appearance		Clear and tacky	
Density	g/cm ³	1.08	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. -25	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 elastomeric paints Elastomeric roof coatings
Crack bridging wall coatings

Specific Information

Unipol A 9055 is especially designed as a binder for flexible and crack-bridging wall coating systems with superior weather resistance. Even at relatively high PVC these wall coatings have very good elasticity properties. At very low temperatures the elasticity of the polymer film remains very high.

The polymer film of Unipol A 9055 crosslinks superficially under the influence of UV and sunlight and loses its original tackiness. This has consequences on the dirt pick-up which is drastically reduced in coating systems based on Unipol A 9055. The water resistance is exceptionally low compared to similar resins for this application.

Storage

Unipol A 9055 can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol A 9055 is available in 120 kg drums, 1.050 kg IBCs and bulk.

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