

UNIPOL S 6010

Unipol S 6010 is a water-based dispersion of styrene acrylic copolymer. It is APEO, ammonia and plasticizer free.

	Unit	Value	Method
Sales Specifications			
Solids content	%	50 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	4000 ± 2000	ISO 2555, Brookfield RVT; spindle 4; 20 rpm; 23 °C
pH		7.5 ± 0.5	DIN 53785 / ISO 1148
Typical values of emulsion			
Particle size	µm	0.09-0.20	
Minimum film forming temperature (MFFT)	°C	approx. 17	DIN 53787 / ISO 2115
Density	g/cm ³	approx. 1.03	ISO 8962
Typical values of film¹			
Appearance		Clear, flexible, 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 (T _g)	°C	approx. 19	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

Architectural decorative interior and exterior coatings	Building adhesives
Resin bound plasters and textured coatings	Ceramic tile adhesives
Putties and fillers	Primers
Elastomeric roof coatings	Sealants

Specific Information

Unipol S 6010 is especially suitable for applications with high water and alkali resistance requirements. Due to its high pigment binding power and excellent filler compatibility, Unipol S 6010 is also suitable for high PVC paints; for this application and when fillers having a large specific surface are used, the requirement for wetting agent to produce coatings with good storage stability should be carefully determined. Unipol S 6010 is recommended for the production of coatings for exterior applications with superb UV resistance. It is also compatible with cement.

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

Storage

Unipol S 6010 can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol S 6010 is available in 120 kg drums, 1.000 kg IBCs and bulk.

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