

UNIPOL S 6870

Unipol S 6870 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	1000 ± 500	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		
Minimum film forming temperature (MFFT)	°C	approx. 3	DIN 53787 / ISO 2115
Density	g/cm ³	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. 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 coatings
Low VOC Interior Coatings
High pH coatings

Silicate coatings
Architectural decorative interior and exterior coatings
High build textured coatings

Specific Information

Unipol S 6870 is especially designed for paint formulations with low-emissions and very low-odor specifications. In addition, due to its high pigment binding power and excellent filler compatibility, combined with its superior wet scrub resistance and alkali resistance it is strongly recommended for formulating high pH, silicate paints and interior coatings of superior quality. Unipol S 6870 is also suitable for the production of coatings for exterior applications with superb weather and UV resistance.

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

Storage

Unipol S 6870 can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol S 6870 is available in 120 kg drums, 1050 kg IBCs and bulk.

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