

SUEMUL T50

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SuEmul T50 is an anionic aqueous dispersion of a vinyl acetate terpolymer with a versatic ester and special type of acrylic ester in average to thin particles, free of plasticizers and with very low residual monomer content.

	Unit	Value	Method
1. SUPPLY SPECIFICATIONS			
Solid content	%	50±1	MVPF 01
Brookfield viscosity	(1) mPa.s	4000±1000	UNI EN ISO 2555
pH		4.5±0.5	ISO 976
2. TYPICAL VALUES			
Minimum film-forming temperature	°C	0	UNI 8490-14
Prevailing particle size range	µm	0.2÷0.8	MVANS 20
Residual monomer	%	0.05 max	MVPF 23
Dispersing system		anionic-non anionic	
Density at 23°C	kg/dm ³	1.1	MVPF 18
Mechanical stability		Excellent	MVAT 013
Protective colloid		H.E.Cellulose	
3. FILM CHARACTERISTICS			
Aspect		Transparent colourless	
Tensile strength	N/mm ²	3.0	UNI 8490-17
Elongation at break	%	960	UNI 8490-17
Glass transition temperature	°C	27	MVANS 01
Gloss 60°	GU	>80	MVPF 01

(1) RVT 20 rpm, spindle 3, 23°C

APPLICATIONS

Due to its features, it particularly fits the formulation of satin-like and semi-glossy water based paints with good rheological features and good resistance to tamishing. Due to its composition of special acrylic ester, it is recommended to be used in the formulation of exteriors paints because of the high resistance to alkalinity and to the high resistance to weather conditions. High PVC content paints and putty formulated with SuEmul T50 boast a high adhesion power and excellent wet abrasion resistance.

SPECIFIC PROPERTIES

To optimisation of the binding power of SuEmul T50 in water-based paints, it is formulated with the addition of an excellent coalescing agent. So, the advisable extra amount of a coalescing agent of the effectiveness of di-butyl glycol acetate is 0.5% - 1% in SuEmul T50. (The amount of coalescing agent depends on its effectiveness).

Data, information and suggestions are provided for guidance purpose only. VINAVIL EGYPT for Chemicals S.A.E. accepts no responsibility for the results obtained therefrom, nor for their utilization in infringement of possible patent rights. The analytical methods are available on request.

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PACKAGING

SuEmul T50 is available in bulk and in squared drums of 50 kg, 125 kg and 150 kg.

STORAGE

SuEmul T50 as for emulsion polymer, it is advisable to store SuEmul T50 in an environment no colder than 5°C and no hotter 45°C, out of direct sun light, possibly no longer than 6 months. The usual vessels for water dispersion of SuEmul T50 are stainless steel, fibre glass and high density polyethylene.

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