ABWAB AL JAZEERA

Technical information of polytex - 217

Emulsion acrylic copolymer

Product Properties

Characteristics	Range/ Value	Unit	Ref. Standard
Solids content	50±1	%	ISO 1625
PH	6 ± 0.5	----	ISO 976
Viscosity,Brookfield	≤ 4000	CP	ISO 2555
Density	1.01	g/cm^3	ISO 2811
Minimum Film Formation Temperature	15	°C	ASTM D2354

Dispersion type	Anionic
Plasticizer	None
Pigment Wetting	Very good
Flexibility	Very good

Applications

Due to its mechanical properties and high UV resistance, Polytex217 is used in a wide variety of coatings with high adhesion and hardness characteristics including Emulsion paints, interior and exterior coatings and facade products. Also it is used for wood coating products because of its suitable sanding properties.

Compatibility

Polymers: Polytex-217 is miscible with a wide range of nonionic and anionic aqueous polymers. It should be noted that most of the time dried film of the polymer blend has a cloudy appearance.

Thickeners: Polytex-217 is compatible with Acrylic Acid-based, Polyvinyl alcohol ,Cellulose ethers and Poly urethane thickeners.

Plasticizers: Polytex-217 is compatible with Glycol ethers and Phethalate ester and Benzoate types.

Coalescence Agents: Polytex-217 is compatible with different types of Coalescence agents, such as Texanol, 402 solvent, Diethylene glycol monobutyl ether.

Fillers: Polytex 217 is compatible with amorphous and crystalline carbonate, silica, clay, lithopone, talk, etc. Addition of Sodium polyphosphate will improve pigment wetting properties of the resin.

Explanations

While using Polytex-217, according to the usage, the film formation temperature can be decreased by coalescence agents and by using thickeners reach to the suitable viscosity. Using anti foam to the level of 0.1 to 0.3% when using this is necessary and in

order to prevent of microorganisms attacks suitable preserver should be used. Using of glycols leads to resistance against freezing increases but altogether the film formation temperature will not decrease noticeably.

Storage

6 month from production date under standard conditions and away from freezing, direct sunlight and heat.