Stenfy CHEM

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TDS

[Technical Information]

ACRYLIC POLYMER EMULSION

Nature : Styrene/ Acrylic APEO /Formaldehyde/ Ammonia free copolymer dispersion.

Product Specification :

Solids content	50 ± 1 %
Viscosity	5000 - 11000 cps
Spindle No. 63 RPM 12 @ 30 °C	
pH	7.5 - 9.0

Other properties of the dispersion:

Density at 20 °C	ca. 1.04 g/cm3
Average particle size	ca. 0.1 µm
Minimum film-forming temperature	18 °C
Dispersion type	Anionic
Plasticizer content	Free from plasticizer
Miscibility with water	Good
Gloss effect	Good
Pigment binding capacity	Very high

Properties of the film :

Density at 20 °C	ca. 1.06 g/cm3
Glass transition temperature Tg	20 °C
Tensile stress at break	7 N/mm2
Surface	Non-tacky
Water absorption after immersion for 24 hours	5-10 %
Appearance	Clear, transparent
Resistance to ageing	Good
Stability to light	Good

Application : ACRYLIC POLYMER is used for the production of high-gloss to matt indoor and outdoor coatings for application on plaster, masonry, asbestos cement, concrete, wood, and other substrates. Moreover, ACRYLIC POLYMER is used as an impregnating agent, primer, binder for textured finishes, base material for producing pasty construction adhesives ceramic tile adhesives, and as an additive for hydraulic binders..

Storage : When kept in tightly closed containers in a cool but frost free place, ACRYLIC POLYMER can be stored for 12 months