

Acrylic Emulsion Polymerization Technology

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ES-405 Real Stone Paint Emulsion

■ Summary

E S-405 real stone paint emulsion, which is polymerized from acrylic ester, methacrylic ester, functional monomer and silicone monomer, belongs to the modified silicon acrylic emulsion.

■ Physical and Chemical Indicators

Product	Project	Result
EM-101 Emulsion	Appearance	Milky white light blue viscous liquid
	PH	7.5~8.5
	Viscosity	200~1800 CPS
	Solid content	(50±2)%
	Freeze-thaw stability	-18℃ (Passed three times)
	Calcium ion stability	1:1 (Qualified)
	Minimum film forming temperature	25℃
	Solvent resistance	Excellent
	scratch resistance	Excellent
	stain resistance	Excellent
	Shelf life	6 months (5℃~25℃ storage)

■ Performance and Application

ES-405 real stone paint emulsion has excellent calcium ion stability, mechanical stability, UV resistance, chemical resistance, hydrophobicity, stain resistance and scratch resistance and other properties.

ES-405 lacquer emulsion with natural sand, colored sand, can be made into high water resistance, stain resistance, UV resistance and scratch resistant lacquer.