

Acrylic Emulsion Polymerization Technology

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EC-508 Acrylic Flexible Emulsion

■ Summary

EC-508 Acrylic Flexible Emulsion is prepared by the polymerization of acrylic acid and its ester, methacrylic and its ester, functional monomer and modified organo-siloxane monomer.

■ Physical and Chemical Indicators

Product	Project	Result
EC-508 Emulsion	Appearance	Milky white light blue viscous liquid
	PH	7.5~8.5
	Viscosity	200~1200 CPS
	Solid content	(50±1)%
	Freeze-thaw stability	-18℃ (Passed three times)
	Calcium ion stability	1:1 (Qualified)
	Glass transition temperature	-18℃(adjustable)
	Shelf life	6 months(5℃~25℃ storage)
Waterborne Paint ^[1]	Elongation	300%
	Impact resistance	Excellent
	Ultraviolet resistance	Excellent
	Chemical resistance	Excellent

Remark [1]: The paint by the EC-508 emulsion, and fillers and additives prepared from different formulations, paint properties may be different.

■ Performance and Application

EC-508 emulsion paint has excellent extensibility, good flexibility, anti-yellowing, anti-cracking, anti-UV, waterproof and excellent adhesion. Apply to the production of thick thickened paint and waterproof coating.