

WATER-BASED RESINS

SPCRYL

COLLOIDAL EMULSIONS

Shiva's colloidal emulsions low cost-in-use makes them an excellent choice as a letdown resin for corrugated inks. They can also be used as a dispersion resin for carton black which makes it possible to manufacture a black corrugated ink using only one polymer. From low cost brown box printing to medium quality band colors, SPCRYL colloidal emulsions meet the formulators' need for balance of print properties and economy.



Product	Appearance	Key Properties	Solids %	pH (30°C)	Viscosity (cps @ 30°C)	Molecular Weight	Acid Number (on solids)	Tg (°C)	Descriptions & Applications
SPCRYL 91	Clear Viscous Solution	Excellent Re-Solubility Excellent Wetting For Pigments Good Gloss & Transparency Good Rheological Stability Excellent Transfer & Printability	30 - 31	08 - 10	8000-15,000	NA	NA	20 to 40	General purpose, acrylic colloidal emulsion designed as a sole vehicle or let-down vehicle for pigments.
SPCRYL 142	Milky White Emulsion	Excellent Hot Mar Resistance High Efficiency Excellent ink Viscosity Stability & Dilution Excellent Transfer & Printability	39 - 41	6.0 - 6.5	Up to 100 cps	50,000	120 - 130	20 to 40	
SPCRYL HMR 45	Milky White Emulsion	Excellent Hot Mar Resistance High Efficiency Excellent ink Viscosity Stability & Dilution Excellent Transfer & Printability	44 - 45	2.0 - 4.0	Up to 100 cps	75,000	150	75	An economical universal acrylic colloidal emulsion for pre-print and post-print kraft and corrugated board applications offering excellent ink viscosity stability with good transfer and printability.
SPCRYL HMR 661	Milky White Emulsion		44 - 45	2.0 - 4.0	Up to 100 cps	85,000	150	75	
SPCRYL HMR 45H	Milky White Emulsion		44 - 45	2.0 - 4.0	Up to 100 cps	75,000	150	75	
SPCRYL HMR 45T	Milky White Emulsion		44 - 45	2.0 - 4.0	Up to 100 cps	NA	165	95	
SPCRYL HMR 668	Milky White Emulsion		44 - 45	2.0 - 4.0	Up to 100 cps	NA	165	120	
SPCRYL HMR 266	Milky White Emulsion		49 - 50	2.0 - 4.0	Up to 100 cps	NA	120	40	

