

WATER-BASED RESINS

SPCRYL

FILM FORMING EMULSIONS

Shiva's Rheology Controlled (RC) emulsions allow inks and overprint varnishes to meet the demanding shear stress encountered in high speed flexo graphic and gravure printing. In addition, they provide wetting and adhesion as well as gloss and clarity to inks and overprint varnishes on a wide variety of substrates.



Product	Appearance	Key Properties	Non-volatiles %	pH (30°C)	Viscosity (cps @ 30°C)	Molecular Weight	Acid Number (on solids)	Tg (°C)	Descriptions & Applications
SPCRYL EOFGL	Semi translucent emulsion	Film forming emulsion , Water resistance, Good gloss, Rub resistance , Excellent film wetting	47 - 49	8.5 ± 0.3	Up to 1000 cps	> 200,000	50 - 55	-25 to -35	General purpose, soft film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL EOFGL-T	Semi translucent emulsion	Film forming emulsion , Water resistance, Good gloss, Rub resistance , Excellent film wetting	47 - 49	8.5 - 9.5	Up to 1000 cps		50 - 55	-25 to -35	Good oil and grease resistance, soft film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL EOFG	Semi translucent emulsion	Film forming emulsion , Water resistance, Good gloss, Rub resistance , Excellent film wetting	47 - 49	8.5 ± 0.3	Up to 1000 cps		65 - 70	-8 to -12	General purpose, film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL 8052	Semi translucent emulsion	Film forming emulsion , Water resistance, Good gloss, Rub resistance , Excellent film wetting	44 - 46	8.1 ± 0.3	Up to 1000 cps		65 - 70	-35	Low odor, film film forming styrene acrylic emulsion for water based inks and Varnishes used in paper, flexible films and foil substrates
SPCRYL EOFG-T	Semi translucent emulsion	Good Oil & Grease Resistance Good Gloss Low Foaming Pigment Wetting	46 - 48	8.5 - 9.5	140-160 sec		65 - 70	-5 to -15	Good oil and grease resistance, soft film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL EHG	Semi translucent emulsion	Excellent Film Forming Good Gloss & Transparency Excellent Water & Grease Resistance Economical	45 - 47	8.5 ± 0.3	Up to 1000 cps		60 - 65	5 to 10	Medium range, film forming styrene acrylic emulsion for ink and overprint varnish formulations
SPCRYL 255	Semi translucent emulsion	Excellent Film Forming Good Gloss & Transparency Excellent Water & Grease Resistance Economical	45 - 47	8.5 ± 0.3	200 - 800		50 - 55	-5	Film forming emulsion with water & rub resistance. Good adhesion on Film and Foil substrates.
SPCRYL EFGH	Semi translucent emulsion	Excellent Film Forming Good Gloss & Transparency Excellent Water & Grease Resistance Economical	45 - 47	8.5 ± 0.3	200 - 800		60 - 65	25 to 30	Medium range, film forming styrene acrylic emulsion for ink and overprint varnish formulations
SPCRYL EFG-T	Semi translucent emulsion	Excellent Film Forming Good Gloss & Transparency Excellent Water & Grease Resistance Economical	44 - 46	8.5 - 9.5	800-1200 cps		60 - 65	-2 to -5	Medium range, film forming styrene acrylic emulsion for ink and overprint varnish formulations
SPCRYL 2664	Semi translucent emulsion	soft film forming, suitable for fine line anilox printing, improve colour strenght	42 - 44	9.0 - 10.0	200 - 800			170	NA
SPCRYL FLEX 5000	Semi translucent emulsion	Cross-linked emulsion, Good re-solubility, good wet and dry resistance .	42 - 43	9.0 - 9.5	200 - 1000		90	NA	Soft and Self crosslinking acrylic emulsion for water resistance, good adhesion on film substrates