

10. SHIVA PRODUCT SELECTION GUIDE – PRINTING & PACKAGING INDUSTRY

WATER-BASED RESINS

SPCRYL

NON FILM FORMING EMULSIONS

Shiva's Rheology Controlled (RC) emulsions allow inks and overprint varnishes to meet the demanding shear stress encountered in high speed flexographic 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 (@ 30°C)	Molecular Weight	Acid Number (Solid Base)	Tg (°C)	Descriptions & Applications
SPCRYL EOH	Semi translucent emulsion	High gloss and clarity , Good heat resistance, Fast drying , Good resolubility	47 - 49	8.5 ± 0.3	Up to 1000	> 200,000	50 - 55	95 to 100	General purpose, non film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL EO	Semi translucent emulsion	Glycol Ether Free Excellent Heat Resistance Excellence Optical Clarity Excellent Gloss Fast Drying	44 - 45	8.5 ± 0.3	Up to 500		70 - 80	95 to 105	High gloss, non film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL EO ECO	Semi translucent emulsion	Glycol Ether Free Excellent Heat Resistance Excellence Optical Clarity Excellent Gloss Fast Drying	44 - 45	8.5 ± 0.3	Up to 500		70 - 80	95 to 105	ECO version, High gloss, non film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL EO-S	Semi translucent emulsion	High gloss and clarity , Good heat resistance, Fast drying , Good resolubility	44 - 46	8.5 ± 0.3	Up to 1000		70 - 75	95 to 105	High gloss, moderate viscosity, non film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL 8055	Semi translucent emulsion	Excellent resolubility, high gloss, low odor, suitable for mettalic inks	46 - 47	7.8 - 8.3	Up to 500		70 - 75	100 to 110	Low odor, High gloss, non film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL OPH	Opaque emulsion	High Hiding, high opacity, high colour intensity	46 - 47	8.0 - 8.5	500 - 1500		30	100 to 110	Capable to Hide brown and craft substrate background, low odor, non film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL OPL	Opaque emulsion	High Hiding, high opacity, high colour intensity	37 - 39	7.5 - 8.5	up to 300		60	100 to 110	Higher Capability to Hide brown and craft substrate background, non film forming styrene acrylic emulsion for water based inks and Varnishes
SPCRYL OPHF	Opaque emulsion	High Hiding, high opacity, high colour intensity	46 - 47	8.5 - 9.0	500 - 1500		30	100 to 110	Capable to Hide brown and craft substrate background, non film forming styrene acrylic emulsion for water based inks and Varnishes

