

Product Selection Guide for the Graphic Arts Industry

EMULSIONS FOR PAPER & PAPERBOARD

Product	Solids	pH	Viscosity, cP	Tg°C	AN	Comments
Lucidene 370	49	8.4	1000	103	55	Fast drying, high speed printing for paper and paperboard inks.
Lucidene 395	44.5	8.0	1100	100	70	High gloss and holdout for overprint formulations.
Lucidene 612	44.5	8.5	400	90	130	Hard, high gloss in overprints.
Lucidene 361	50	8.1	3000	74	25	Excellent opacity and hiding power in corrugated inks.
Lucidene 602	42.5	8.7	1500	45	105	Gloss inks and overprints, excellent transfer and rewet.
Lucidene 608	40.5	8.5	500	44	160	Crosslinkable with Zn for heat resistance, foil inks.
Lucidene 374	44.5	8.5	1250	40	77	Block resistance, excellent flow properties for overprints.
Lucidene 614	45.5	8.8	800	38	129	Maximum gloss performance in inks and overprints.
Lucidene 202	48	7.8	1200	27	65	Stable metallic inks.
Lucidene 615	47	8.1	1000	20	55	Hard but flexible, good grease and water resistance for overprints.

EMULSIONS FOR FLEXIBLE FILMS

Product	Solids	pH	Viscosity, cP	Tg°C	AN	Comments
Lucidene 351	37	7.3	200	21	100	Lamination ink vehicle with adhesion and high bond strength.
Lucidene 603	48.5	8.1	1000	11	50	Good adhesion, high gloss and water resistance.
Lucidene 243	49	8.3	1500	7	46	Fast dry with good grease resistance for inks and primers.
Lucidene 604	50	8.0	1500	-20	50	Non skid performance with adhesion and water resistance.
Lucidene 645	43	7.1	500	-22	10	Acrylic urethane with high gloss, alkaline and detergent resistance.
Lucidene 605 NV	48	8.0	1300	-42	50	Maximum adhesion, water resistance, low VOC.

NEUTRAL pH EMULSIONS

Product	Solids	pH	Viscosity, cP	Tg°C	AN	Comments
Lucidene 4015 Plus	42	7.0	600	90	130	High gloss, hard polymer with excellent resolubility and transfer.
Lucidene 4035 Plus	42	7.1	500	35	130	Excellent clarity, stability, resolubility for narrow web inks.
Lucidene 4045 Plus	41	7.1	500	-30	90	Soft film former with excellent adhesion and resolubility.

COLLOIDALS

Product	Solids	pH	Viscosity, cP	Tg°C	AN	Comments
Lucidene 141	32	8.3	650	50	34	Fast dry and excellent rewet for low basis weight paper.
Lucidene 400	25	7.8	2500	35	171	Highly dilutable economic extender for corrugated inks.
Lucidene 190	40	2.0	30	33	88	Excellent transfer and printability with high dilution profile.

STYRENE/ACRYLIC SOLUTIONS

Product	Solids	pH	Viscosity, cP	Tg°C	AN	Comments
Morcryl 132	31	8.6	1375	120	205	Gloss, block, transfer and resolubility modifier.
Morcryl 155	32.5	8.6	2400	120	205	Monoethanolamine neutralized, improves transfer and rheology.
Morcryl 225	25	7.6	100	120	218	High Mw. Good pigment wetting.
Morcryl 350	50	9.0	4500	90	232	Low Mw. High gloss for overprints.
Morcryl 410	35	9.4	6000	120	205	High pigment load dispersions, excellent stability, use with Neutral pH systems.
Morcryl 410M	35	9.4	4200	120	205	Monoethanolamine neutralized version on Morcryl 410.
Morcryl 430 Plus	31	7.3	500	92	240	High gloss, excellent resolubility and transfer, use in Neutral pH systems.
Morcryl 460 Plus	35	7.7	600	92	240	Maximum pigment wetting. High pigment loads at stable low viscosity.