



Printing Inks & OPV's

Printed coatings and inks perform most effectively when properly formulated with wax additives from Micro Powders that improve slip, rub, scratch, and block resistance. From flexo to gravure to offset, we offer the most comprehensive line of additives for both high and low gloss printed surfaces.

Recommended Products

Typical Properties

(Selector Guide on reverse side)

Product	Melt Point (°C)	Density (g/cc@25°C)	Mean Particle Size (µm)	Max. Particle Size (µm)
AquaBead R331E	80	1.00	Sub-micron aqueous emulsion	
AquaBead 525E	60	1.00	Sub-micron aqueous emulsion	
AquaPoly 215	102 - 114	0.94	9.0 - 11.0	31.00
AquaPoly 250	117 - 123	0.97	8.0 - 10.0	31.00
MicroKlear 116	107 - 113	0.98	4.0 - 5.25	15.56
MicroKlear 418AL	81 - 86	1.04	6.0 - 8.0	22.00
MicroMatte 1213 UVW	150 - 156	1.07	5.0 - 7.5	22.00
MicroMatte 1415-EZ	136 - 140	1.06	10.0 - 15.0	44.00
Microspersion 510E	140	1.00	Sub-micron aqueous emulsion	
Microspersion 930	110 - 140	0.98	N/A	N/A
MicroTouch Series	-	1.05	Available from 5 µm - 35 µm mean	
MicroTouch 875XF	-	1.03	3.0 - 9.0	31.00
MP-22XF	110 - 115	0.93	5.0 - 6.0	22.00
MP-28AL	104 - 110	0.99	4.5 - 6.5	22.00
MPP-230F	110 - 118	0.94	10.0 - 12.	31.00
MPP-611AL	110 - 116	0.99	3.5 - 5.5	15.56
MPP-620VF	120 - 124	0.96	5.0 - 7.0	22.00
NatureFine R331	77 - 82	0.97	6.0 - 10.0	31.00
NatureMatte C44	-	1.46	10.0 - 15.0	44.00
NatureMatte 31	170 - 180	1.25	7.5 - 10.5	31.00
NatureTex Series	>230	1.30	Range available (200 mesh - 325 mesh)	
PolyGlide 1226XF	109 - 115	0.99	3.5 - 5.5	15.56
Polysilk 750	96 - 107	0.94	5.0 - 7.0	22.00
PolyTuf 1229	110 - 113	0.97	9.0 - 12.0	31.00
PropylMatte 31	160 - 170	0.89	8.0 - 12.0	31.00
PropylMatte 31HD	160 - 170	1.07	8.0 - 12.0	31.00
SuperGlide 1231	141 - 146	1.00	5.0 - 8.0	22.00
Superslip 6515AL-EZ	138 - 144	0.99	3.5 - 5.5	15.56

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Selector Guide

● Extremely Effective ● Very Effective ○ Effective

◆ Available as a Waterborne Dispersion

Product	Description	Suggested Use Level	Recommended System Type*	Rub & Scratch Resistance	Slip and Lubricity	Block Resistance	Water Resistance	Gloss Retention	Clarity	Matting and Gloss Control	Soft Touch/Silky Feel	Tape Release	Texture	MVTR	Natural/Naturally Derived
AquaBead R331E	Rice bran wax emulsion	2.0 -10.0%	W	●	●	●	●	●	●					●	●
AquaBead 525E	Paraffin/carnauba wax emulsion	2.0 - 10.0%	W				●	●						●	
◆ AquaPoly 215	Oxidized polyethylene	1.0 - 2.0%	W	●	●	●									
◆ AquaPoly 250	Modified oxidized polyethylene	1.0 - 2.0%	W	●	●	●									
MicroKlear 116	Polyethylene/Carnauba wax	0.5 - 2.0%	W,S,O	○	●	○		●	●						
◆ MicroKlear 418AL	Carnauba/Aluminum oxide	1.0 - 3.0%	W,S,O	●	●	○		●	●			○			●
◆ MicroMatte 1213 UVW	Densified modified polypropylene	2.0 - 5.0%	W,S			●				●					
MicroMatte 1415-EZ	Modified synthetic wax	1.0 - 3.0%	W	●	●	●				●	●	○			
Microspersion 510E	Nonionic polyethylene emulsion	2.0 - 10.0%	W	●	●	●		●			○				
Microspersion 930	Nonionic wax dispersion/Emulsion	1.0 - 3.0%	W	●	●	●		●	●						
MicroTouch Series	Aliphatic polyurethane	2.0 - 10.0%	W,S,O								●		○		
MicroTouch 875XF	Modified polyurethane	2.0 - 10.0%	W,S,O		○	○				●	●		○		●
MP-22XF	Synthetic wax	1.0 - 3.0%	W,S,O	●	○										
◆ MP-28AL	Synthetic wax/aluminum oxide	1.0 - 3.0%	W,S,O	●	●	○									
◆ MPP-230F	High density polyethylene	1.0 - 2.5%	W,S,O	○	○	○									
◆ MPP-611AL	Polyethylene/Aluminum oxide	0.5 - 1.5%	W,S,O	●	●	○									
◆ MPP-620VF	High density polyethylene	1.0 - 2.0%	W,S,O	●	●	○									
◆ NatureFine R331	Rice bran wax	1.0 - 3.0%	W,S	●	●	○				○					●
◆ NatureMatte 31	Poly(hydroxybutyrate-co-hydroxyvalerate)	2.0 - 5.0%	W,S			●				○	○				●
NatureMatte C44	Cellulose	2.0 - 5.0%	W,S	●					●	●					●
NatureTex Series	Cellulose acetate	2.0 - 5.0%	W			●				●			●		●
◆ PolyGlide 1226XF	Ceramic modified polyethylene	0.5 - 1.5%	W,S,O	●	●	●					●	○			
Polysilk 750	Polyethylene/amide	0.5 - 1.0%	S,O	●	●	●					●	●			
◆ PolyTuf 1229	Ceramic modified polyethylene	0.5 - 2.0%	W,S,O	●	○	○				●	●	○			
◆ PropylMatte 31	Polypropylene	1.0 - 4.0%	W,S,O			○				●					
◆ PropylMatte 31HD	Densified polypropylene	1.0 - 4.0%	W			○				●					
SuperGlide 1231	Ceramic modified Ethylene bis(stearamide)	0.0 - 3.0%	W,S,O	●	●	●							●		●
Superslip 6515AL-EZ	Surface treated HDPE/EBS/Aluminum oxide	0.5 - 1.0%	W	●	●	●					●	●			

* W = Water, S = Solvent, O = Oil