



Additive Selection Chart K-AG 1

Additives for Paper Coatings

February 2017

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Coating Color Preparation

Wetting and Dispersing						Defoamer	
Calcium Carbonate	Kaolin	Activated Clay	Silica	Titanium Dioxide	Talc	Silicone	Silicone-free
DISPERBYK-190 DISPERBYK-199 BYK-154	DISPERBYK-199 BYK-154	BYK-154	DISPERBYK-199 BYK-154	DISPERBYK-180 BYK-154 DISPERBYK-199	DISPERBYK-2010 BYK-154	BYK-093 BYK-025 BYK-1615	BYK-016 BYK-012 BYK-1640

First recommendation Second recommendation

¹APEO-free ²Silicone and Mineral Oil-free

Coating Process Enhancement

Rheology Modification			Curtain Coating Stability	Coating Levelling
Pseudoplastic flow	Newtonian Flow	Increase of Extensional Viscosity		
OPTIFLO-H 3300 VF OPTIFLO-HV 80 BYK-425	OPTIFLO-L 1400 OPTIFLO-T 1000	OPTIFLO-L 1400 OPTIFLO-T 1000	BYK-3400 BYK-3410 BYK-348	BYK-DYNWET 800 N BYK-348 BYK-3455

First recommendation Second recommendation

Coated Surface Enhancement

Surface Wetting		Print Uniformity		Rub/Scratch Resistance	Slip Control	
Increase	Reduction	Surface Energy	Surface Evenness		Slip	Anti-slip
BYK-3455 BYK-DYNWET 800 N BYK-348 BYK-3410	AQUACER 1547 AQUACER 2500 AQUACER 513 AQUACER 531	BYK-3560 BYK-DYNWET 800 N BYK-349 BYK-3410	AQUACER 539 AQUACER 2500 AQUACER 531 AQUACER 1061	AQUACER 513 AQUAMAT 272 AQUACER 531 AQUACER 2500	AQUACER 539 AQUACER 2500 AQUACER 507 AQUACER 581	AQUACER 527 AQUACER 593 AQUACER 595 AQUACER 1510

First recommendation Second recommendation

Functional Surfaces

Heat Sealing to Polymer Films		Thermal Image Transfer	Barrier Coatings			Anti-static Base Papers	Carbonless Copying Paper	Inkjet Paper
PE Film	PP Film		Aqueous	Organic	Air			
AQUACER 1061 AQUACER 507 HORDAMER PE 02	AQUACER 593 AQUACER 595	AQUACER 1510 AQUACER 593 AQUACER 1035	AQUACER 1061 HORDAMER PE 02 AQUACER 497 AQUACER 539	AQUACER 1061 HORDAMER PE 02 AQUACER 497 AQUACER 1031	AQUACER 1031 HORDAMER PE 02 AQUACER 497 AQUACER 1061	LAPONITE-JS LAPONITE-SL 25 LAPONITE-S 482	FULACOLOR-SR FULACOLOR-XW FULACOLOR-NS	FULACOLOR-XW FULACOLOR-NS

First recommendation Second recommendation

For more information about our additives and instruments, as well as our additive sample orders please visit:

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