



Additive Selection Chart K-AG 1

Additives for Paper Coatings

February 2016



Additives for Paper Coatings

Coating Color Preparation

Wetting and Dispersing					Defoamer		
Calcium Carbonate	Kaolin	Activated Clay	Silica	Titanium Dioxide	Silicone	Mineral Oil ¹	Polymeric ^{1,2}
DISPERBYK-190 DISPERBYK-199 DISPERBYK-187 BYK-154	DISPERBYK-199 DISPERBYK-187 BYK-154	BYK-154 DISPERBYK-187	DISPERBYK-190 DISPERBYK-187	DISPERBYK-199 DISPERBYK-187 ANTI-TERRA-250	BYK-093 BYK-025 BYK-1615 BYK-1679	BYK-037 BYK-038	BYK-016 BYK-1640 BYK-1740

First recommendation

Second recommendation

¹APEO-free²Silicone and Mineral Oil-free

Coating Process Enhancement

Rheology Modification			Curtain Coating Stability	Cast Coating Release	Coating Levelling
Thixotropic Flow	Pseudoplastic flow	Newtonian Flow			
BYK-420	BYK-425	OPTIFLO-T 1000 OPTIFLO-L 1400	BYK-3400 BYK-3410 BYK-348 BYK-349	Adurin 1316	BYK-DYNWET 800 N BYK-348 BYK-349

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-349 BYK-DYNWET 800 N BYK-348 BYK-3400 BYK-3410 BYK-3455	AQUACER 531 AQUACER 2500	BYK-DYNWET 800 N BYK-348 BYK-349 BYK-3400 BYK-3410 BYK-3560	AQUACER 531 AQUACER 2500 AQUACER 513 AQUACER 539 AQUACER 1061	AQUACER 531 AQUAMAT 272 AQUACER 513 AQUACER 1547 AQUACER 2500	AQUACER 539 AQUACER 497 AQUACER 507 AQUACER 531 AQUACER 2500	AQUACER 593 AQUACER 595

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	Macromolecule			
AQUACER 507 AQUACER 1061 HORDAMER PE 02	AQUACER 593 AQUACER 595	AQUACER 1510 AQUACER 593 AQUACER 1035	AQUACER 497 AQUACER 539 AQUACER 1061 HORDAMER PE 02	AQUACER 1031 AQUACER 1547	LAPONITE-SL 25 LAPONITE-JS LAPONITE-RDS LAPONITE-S 482	LAPONITE-JS LAPONITE-SL 25 LAPONITE-RDS LAPONITE-S 482	FULACOLOR-XW FULACOLOR-SR 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:

www.byk.com

Additives:

BYK-Chemie GmbH
P.O. Box 100245
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com

Instruments:

BYK-Gardner GmbH
P.O. Box 970
82534 Geretsried
Germany
Tel +49 8171 3493-0
+49 800 427-3637
Fax +49 8171 3493-140

info.byk.gardner@altana.com



ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SCONA®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie.

ACTAL®, ADJUST®, ADVITROL®, ALUFERSOL®, BENTOLITE®, CLAYTONE®, CLOISITE®, COPISIL®, FULACOLOR®, FULCAT®, FULGEL®, FULMONT®, GARAMITE®, GELWHITE®, LAPONITE®, MINERAL COLLOID®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PERMONT®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, TIXOGEL®, and Y-25® are registered trademarks of BYK Additives.

AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAK®, CERAFLLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions – Printed in Germany