



Additive Selection Chart L-AG 1.5

Automotive Coatings

July 2019



Automotive Coatings

Automotive OEM Coatings

Cathodic Electrodeposition

	Pigment Stabilization, Gloss, Anti-flood, Anti-float	Leveling	Anti-cratering	Substrate Wetting	Defoaming	Increase of Surface Energy	Adhesion
Aqueous	BYK-DYNWET 800 N DISPERBYK-109 DISPERBYK-111 DISPERBYK-192	BYK-DYNWET 800 N	BYK-326 BYK-3565 BYK-3566	BYK-347 BYK-349	BYK-011 BYK-012 BYK-1740 BYK-DYNWET 800 N	Silicone-free: BYK-3560 Silicone: BYK-3565 BYK-3566	BYK-3560

Primer Surfacers

	Pigment Stabilization, Gloss, Anti-flood, Anti-float		Anti-settling	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Defoaming	Boiling Marks, Pinholes	Increase of Electrical Conductivity	Increase of Surface Energy
	Colored and Dark Primer Surfacers	Light and White Primer Surfacers									
Solvent-borne	DISPERBYK-2055 DISPERBYK-2155 With high levels of BaSO ₄ : DISPERBYK-180	DISPERBYK-111 DISPERBYK-118 DISPERBYK-180	RHEOBYK-7410 ET RHEOBYK-410	RHEOBYK-415 RHEOBYK-430	BYK-355 BYK-358 N BYK-399	BYK-322 BYK-3550	BYK-3550	BYK-051 N BYK-052 N	BYK-392 BYKETOL-OK	BYK-E5 80 (effective in the liquid coating)	BYK-3560 BYK-3565 BYK-3566
Aqueous	Grind with resin: DISPERBYK-180 DISPERBYK-2012 Resin-free grind: DISPERBYK-2010	Grind with resin: DISPERBYK-180 DISPERBYK-2012 Resin-free grind: DISPERBYK-199 DISPERBYK-2010 DISPERBYK-2080	RHEOBYK-7420 ES	RHEOBYK-440 RHEOBYK-7625 VF	BYK-381 BYK-3560 BYK-3565	BYK-349 BYK-3565 BYK-3566	BYK-346 BYK-347 BYK-349	BYK-011 BYK-015 BYK-024	BYKETOL-AQ BYKETOL-WA BYK-015		BYK-3560 BYK-3565 BYK-3566

One-coat Topcoats (Solid Colors)

	Pigment Stabilization, Gloss, Anti-flood, Anti-float			Anti-settling	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Surface Slip	Defoaming	Boiling Marks, Pinholes	Increase of Electrical Conductivity
	Titanium Dioxide, Inorganic Pigments	Organic Pigments	Carbon Black									
Solvent-borne	Acidic surface: DISPERBYK-118 DISPERBYK-161* Acidic/basic surface: DISPERBYK-118 DISPERBYK-180 Basic surface: DISPERBYK-110 DISPERBYK-111 DISPERBYK-180	DISPERBYK-161* DISPERBYK-2013 DISPERBYK-2155* DISPERBYK-2200* DPP pigments: DISPERBYK-166 Combination with synergists: BYK-SYNERGIST-2100	DISPERBYK-161* DISPERBYK-2013 DISPERBYK-2013* DISPERBYK-2200*	RHEOBYK-7410 ET RHEOBYK-410	RHEOBYK-415 RHEOBYK-430	Silicone-free: BYK-355 BYK-358 N BYK-399 Silicone: BYK-315 N BYK-331 BYK-3550	BYK-306 BYK-310 BYK-378 BYK-3550	BYK-306 BYK-331 BYK-3550	BYK-306 BYK-378 BYK-3760	BYK-141	BYK-392 BYKETOL-OK	BYK-E5 80 (effective in the liquid coating)
Aqueous	Grind with resin: DISPERBYK-180 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2012	Grind with resin: DISPERBYK-184 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2012	DISPERBYK-2012	RHEOBYK-7420 ES	RHEOBYK-H 7625 VF	BYK-381 BYK-3565	BYK-326 BYK-331 BYK-333 BYK-3565 BYK-3566	BYK-347 BYK-349	BYK-331 BYK-333 BYK-378	BYK-011 BYK-015 BYK-1710	BYKETOL-AQ BYKETOL-WA BYK-015	

*In cases where the cationic groups of these additives interact with acidic components of the formulation (such as catalysts) DISPERBYK-170 is recommended instead.

Basecoats

	Pigment Stabilization, Gloss, Anti-flood, Anti-float			Anti-settling	Flow and Leveling	Anti-cratering	Substrate Wetting	Defoaming	Boiling Marks, Pinholes	Orientation of Effect Pigments	Increase of Surface Energy
	Titanium Dioxide, Inorganic Pigments	Organic Pigments	Effect Pigments								
Solvent-borne	DISPERBYK-110 DISPERBYK-180 DISPERBYK-118	With CAB: DISPERBYK-2000 DISPERBYK-2001 Without CAB: DISPERBYK-161 DISPERBYK-2200 DISPERBYK-2000 Combination with synergists: BYK-SYNERGIST-2100	DISPERBYK-110 DISPERBYK-162	RHEOBYK-7410 ET RHEOBYK-410	BYK-315 N BYK-320	BYK-3550	BYK-320 BYK-350 BYK-331			CERAFAX 103 CERAFAX 106 CERAFAX 110 CERATIX 8561 CERATIX 8563 CERATIX 8566	BYK-3565 BYK-3566
Aqueous	Grind with resin: DISPERBYK-180 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2012 DISPERBYK-2080	Grind with resin: DISPERBYK-184 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-190	DISPERBYK-180 DISPERBYK-192 DISPERBYK-2060	RHEOBYK-7420 ES	BYK-381 BYK-3560	BYK-326 BYK-349 BYK-3565 BYK-3566	BYK-347 BYK-349	BYK-011 BYK-015 BYK-028 BYK-1710	BYK-015 BYKETOL-AQ BYKETOL-WA	AQUATIX 8421 LAPONITE-RD RHEOBYK-440	BYK-3565 BYK-3566

Clearcoats

	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Scratch Resistance (Dry)	Surface Slip	Defoaming	Boiling Marks, Pinholes	Increase of Electrical Conductivity
Solvent-borne	BYK-415 BYK-430	BYK-315 N BYK-326 BYK-358 N BYK-399 BYK-3550	BYK-306 BYK-310 BYK-378 BYK-3550	BYK-306 BYK-331 BYK-378 BYK-3550	NANOBYK-3650 NANOBYK-3652	BYK-306 BYK-378 BYK-3760	BYK-141	1-pack: BYK-390 2-pack: BYKETOL-OK	BYK-E5 80 (effective in the liquid coating)
Aqueous	RHEOBYK-H 7625 VF	BYK-381 BYK-3565	BYK-331 BYK-333 BYK-349	BYK-347 BYK-349		BYK-331 BYK-333 BYK-378	BYK-011 BYK-015 BYK-1710	BYKETOL-AQ BYKETOL-WA BYK-015	

Automotive Refinish Coatings

Putty

Viscosity Reduction/ Increase of Filler Content	Air Release	Rheology
BYK-W 969 Cobalt-accelerated systems: BYK-W 966 BYK-W 980	BYK-A 555	RHEOBYK-100 RHEOBYK-7590 TIXOGEL-VZ TIXOGEL-MPZ

Primer Surfacers

	Pigment Stabilization, Gloss, Anti-flood, Anti-float		Anti-settling	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Defoaming	Increase of Surface Energy
	Colored and Dark Primer Surfacers	Light and White Primer Surfacers							
Solvent-borne	DISPERBYK-163 DISPERBYK-2055 DISPERBYK-2155	DISPERBYK-111 DISPERBYK-118 DISPERBYK-180	RHEOBYK-7410 ET RHEOBYK-410	RHEOBYK-415 RHEOBYK-430	BYK-320 BYK-355 BYK-358 N BYK-399	BYK-322 BYK-3550	BYK-322 BYK-3550	BYK-320 BYK-392	BYK-3565 BYK-3566
Aqueous	Grind with resin: DISPERBYK-180 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2010 DISPERBYK-2012	Grind with resin: DISPERBYK-180 DISPERBYK-199 Resin-free grind: DISPERBYK-190 DISPERBYK-2010 DISPERBYK-2012 DISPERBYK-2080	RHEOBYK-7420 ES RHEOBYK-H 7625 VF	AQUATIX 8421 RHEOBYK-H 7625 VF	BYK-381 BYK-3560 BYK-3565	BYK-349 BYK-3565 BYK-3566	BYK-347 BYK-349	BYK-011 BYK-015 BYK-024 BYK-028	BYK-3565 BYK-3566

One-coat Topcoats (Solid Colors)

	Pigment Stabilization, Gloss, Anti-flood, Anti-float			Anti-settling	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Scratch Resistance	Surface Slip	Defoaming	Boiling Marks, Pinholes
	Titanium Dioxide	Inorganic Pigments	Organic Pigments, Carbon Black									
Solvent-borne	2-pack polyurethanes: DISPERBYK-110 DISPERBYK-145 DISPERBYK-118 DISPERBYK-180 Thermoplastic acrylics: DISPERBYK-2001 DISPERBYK-2155	DISPERBYK-110 DISPERBYK-145 DISPERBYK-180	2K-Polyurethane: DISPERBYK-161 DISPERBYK-163 DISPERBYK-2013 DISPERBYK-2200 Thermoplastic acrylics: DISPERBYK-145 DISPERBYK-2001 DISPERBYK-2155	RHEOBYK-7410 ET RHEOBYK-410	RHEOBYK-415 RHEOBYK-430	BYK-320 BYK-352 BYK-358 N BYK-399	BYK-306 BYK-310 BYK-378	BYK-306 BYK-310 BYK-378	NANOBYK-3650 NANOBYK-3652	BYK-306 BYK-310 BYK-378 BYK-3760	BYK-066 N BYK-141 BYK-392	BYK-392 BYKETOL-OK
Aqueous	Grind with resin: DISPERBYK-180 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2012	Grind with resin: DISPERBYK-180 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2012	Grind with resin: DISPERBYK-184 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2010 DISPERBYK-2012	RHEOBYK-7420 ES	RHEOBYK-H 7625 VF	BYK-381 BYK-3560 BYK-3565	BYK-326 BYK-331 BYK-333 BYK-3565 BYK-3566	BYK-347 BYK-349		BYK-331 BYK-333 BYK-378	BYK-011 BYK-015 BYK-024 BYK-028	BYKETOL-AQ BYKETOL-WA BYK-015

First recommendation Second recommendation

Automotive Refinish Coatings

Basecoats

	Pigment Stabilization, Gloss, Anti-flood, Anti-float			Anti-settling	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Defoaming	Boiling Marks, Pinholes	Effect Pigment Orientation	Increase of Surface Energy
	Titanium Dioxide, Inorganic Pigments	Organic Pigments, Carbon Black	Effect Pigments									
Solvent-borne	DISPERBYK-110 DISPERBYK-118 DISPERBYK-180	With CAB: DISPERBYK-2000 DISPERBYK-2001 Without CAB: DISPERBYK-161 DISPERBYK-2000 DISPERBYK-2013 DISPERBYK-2200	DISPERBYK-110 DISPERBYK-162	RHEOBYK-7410 ET RHEOBYK-410 Wax: CERATIX 8561 CERATIX 8563 CERATIX 8566		BYK-315 N BYK-320	BYK-3550	BYK-320 BYK-331	BYK-322	BYK-392	CERAFK 103 CERAFK 106 CERATIX 110 CERATIX 8561 CERATIX 8563 CERATIX 8566	BYK-3566
Aqueous	Grind with resin: DISPERBYK-180 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2012	Grind with resin: DISPERBYK-184 DISPERBYK-2012 Resin-free grind: DISPERBYK-190 DISPERBYK-2010 DISPERBYK-2012	DISPERBYK-180 DISPERBYK-192 DISPERBYK-2060	RHEOBYK-7420 ES	AQUATIX 8421 LAPONITE-RD	BYK-381 BYK-3565	BYK-326 BYK-349 BYK-3565 BYK-3566	BYK-346 BYK-347	BYK-011 BYK-015 BYK-028 BYK-1710	BYKETOL-AQ BYKETOL-WA BYK-015	AQUATIX 8421 LAPONITE-RD RHEOBYK-440	BYK-3565 BYK-3566

Clearcoats

	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Scratch Resistance	Surface Slip	Defoaming	Boiling Marks, Pinholes
Solvent-borne	RHEOBYK-415 RHEOBYK-430	BYK-315 N BYK-326 BYK-355 BYK-358 N BYK-399	BYK-306 BYK-310 BYK-378 BYK-3550	BYK-306 BYK-331 BYK-378	NANOBYK-3650 NANOBYK-3652	BYK-306 BYK-310 BYK-378 BYK-3760	BYK-066 N BYK-141 BYK-392	
Aqueous	RHEOBYK-H 7625 VF	BYK-381 BYK-3565 BYK-326	BYK-331 BYK-333 BYK-378	BYK-347 BYK-349		BYK-331 BYK-333 BYK-378	BYK-011 BYK-015 BYK-028 BYK-1710	BYKETOL-AQ BYKETOL-WA BYK-015

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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