



Additive Selection Chart L-AG 1.5

Automotive Coatings

August 2016

Automotive OEM Coatings

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	BYK-7410 ET BYK-410	BYK-415 BYK-430	BYK-355 BYK-358 N BYK-399	BYK-322 BYK-3550	BYK-3550	BYK-051 N BYK-052 N	BYKETOL-OK	BYK-ES 80 (effective in the liquid coating)	BYK-3560
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	BYK-7420 ES	BYK-425	BYK-381 BYK-3560	BYK-347 BYK-349	BYK-346 BYK-347 BYK-349	BYK-011 BYK-015 BYK-024	BYKETOL-AQ BYK-015	CARBOBYK-9810 (effective in the cured coating)	BYK-3560

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-118	DISPERBYK-161* DISPERBYK-2155* DISPERBYK-2200* DPP pigments: DISPERBYK-166 Combination with synergists: BYK-SYNERGIST-2100	DISPERBYK-161* DISPERBYK-2001 DISPERBYK-2013* DISPERBYK-2200*	BYK-7410 ET BYK-410	BYK-415 BYK-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-141	BYK-392 BYKETOL-OK	BYK-ES 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	BYK-7420 ES	BYK-425	BYK-381	BYK-331 BYK-333 BYK-347 BYK-349	BYK-347 BYK-349	BYK-331 BYK-333 BYK-378	BYK-011 BYK-015 BYK-1710	BYKETOL-AQ 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-118 DISPERBYK-180	With CAB: DISPERBYK-2000 DISPERBYK-2001 Without CAB: DISPERBYK-161 DISPERBYK-2200 DISPERBYK-2000 Combination with synergists: BYK-SYNERGIST-2100	DISPERBYK-110 DISPERBYK-162	BYK-7410 ET BYK-410 Wax: CERATIX 8461 CERATIX 8463 CERATIX 8466	BYK-315 N BYK-320	BYK-3550	BYK-320 BYK-3550 BYK-331			CERAFAK 103 CERAFAK 106 CERAFAK 110 CERATIX 8461 CERATIX 8463 CERATIX 8466	
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-2012 DISPERBYK-190	DISPERBYK-180 DISPERBYK-192 DISPERBYK-2060	BYK-7420 ES	BYK-381 BYK-3560	BYK-347 BYK-349	BYK-347 BYK-349	BYK-011 BYK-015 BYK-028 BYK-1710	BYK-015 BYKETOL-AQ	AQUATIX 8421 LAPONITE-RD	BYK-3560

Clearcoats

	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Scratch Resistance	Surface Slip	Defoaming	Boiling Marks, Pinholes	Increase of Electrical Conductivity
Solvent-borne	BYK-415 BYK-430	BYK-315 N BYK-325 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-141	1-pack: BYK-390 2-pack: BYKETOL-OK	BYK-ES 80 (effective in the liquid coating)
Aqueous	BYK-425	BYK-381	BYK-331 BYK-333 BYK-349	BYK-347 BYK-349		BYK-331 BYK-333 BYK-378	BYK-011 BYK-015 BYK-1710	BYKETOL-AQ BYK-015	

First recommendation

Second recommendation

Automotive Refinish Coatings

Putty

Pigment Stabilization	Air Release	Increase of Electrical Conductivity
BYK-W 969 Cobalt-accelerated systems: BYK-W 966 BYK-W 980	BYK-A 555	CARBOBYK-9810

Primer Surfacers

	Pigment Stabilization, Gloss, Anti-flood, Anti-float		Anti-settling	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Defoaming	Increase of Electrical Conductivity	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	BYK-7410 ET BYK-410	BYK-415 BYK-430	BYK-320 BYK-355 BYK-358 N BYK-399	BYK-322 BYK-3550	BYK-322 BYK-3550	BYK-320 BYK-392		
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	BYK-425 BYK-7420 ES	AQUATIX 8421 BYK-425	BYK-381 BYK-3560	BYK-347 BYK-349	BYK-347 BYK-349	BYK-011 BYK-015 BYK-024 BYK-028	CARBOBYK-9810	BYK-3560

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-118 DISPERBYK-180 Thermoplastic acrylics: DISPERBYK-2001 DISPERBYK-2155	DISPERBYK-110 DISPERBYK-180	2-pack polyurethanes: DISPERBYK-161 DISPERBYK-163 DISPERBYK-2013 DISPERBYK-2200 Thermoplastic acrylics: DISPERBYK-2001 DISPERBYK-2155	BYK-7410 ET BYK-410	BYK-415 BYK-430	BYK-320 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-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	BYK-7420 ES	BYK-425	BYK-381 BYK-3560	BYK-331 BYK-333 BYK-378	BYK-347 BYK-349		BYK-331 BYK-333 BYK-378	BYK-011 BYK-015 BYK-024 BYK-028	BYKETOL-AQ 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	Orientation of Effect Pigments	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-2200	DISPERBYK-110 DISPERBYK-162	BYK-7410 ET BYK-410 Wax: CERATIX 8461 CERATIX 8463 CERATIX 8466		BYK-315 N BYK-320	BYK-3550	BYK-320 BYK-331			CERAFAK 103 CERAFAK 106 CERATIX 8461 CERATIX 8463 CERATIX 8466	
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	BYK-7420 ES	AQUATIX 8421 LAPONITE-RD	BYK-381	BYK-347 BYK-349	BYK-346 BYK-347	BYK-011 BYK-015 BYK-028 BYK-1710	BYKETOL-AQ BYK-015	AQUATIX 8421 LAPONITE-RD	BYK-3560

Clearcoats

	Anti-sagging	Flow and Leveling	Anti-cratering	Substrate Wetting	Scratch Resistance	Surface Slip	Defoaming	Boiling Marks, Pinholes
Solvent-borne	BYK-415 BYK-430	BYK-315 N BYK-355 BYK-358 N BYK-399 BYK-3550	BYK-306 BYK-310 BYK-378	BYK-306 BYK-331 BYK-378	NANOBYK-3650 NANOBYK-3652	BYK-306 BYK-310 BYK-378	BYK-066 N BYK-141 BYK-392	
Aqueous	BYK-425	BYK-381	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 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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Additive Guide



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This issue replaces all previous versions – Printed in Germany