



Additive Selection Chart L-AG 1.6

Can Coatings

January 2015

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	Pigment Stabilization		Defoaming	Surface Slip	Permanently Improved Surface Slip with Reactive Silicones*	Leveling	Substrate Wetting	Scratch Resistance	Abrasion and Scratch Resistance	Anti-blocking	Meat release	Texture	Adhesion				
	Inorganic and Organic Pigments	Effect Pigments															
Solvent-borne Systems																	
	BYK-P 104	DISPERBYK-2025	Silicone:	Wax:	Hydroxy functional:	Silicone-free:	BYK-307	Wax:	CERAFLOUR 981	CERAFLOUR 925	CERACOL 609 N	CERAFLOUR 913	BYK-4510				
	DISPERBYK-110	BYK-P 104	BYK-072	CERACOL 604	BYK-370	BYK-350	BYK-313	CERACOL 607	CERAFLOUR 996	CERAFLOUR 920	CERAFLOUR 994		BYK-4512				
	DISPERBYK-2025	DISPERBYK-192	BYK-088	CERACOL 609 N	BYK-SILCLEAN 3700	BYK-359	BYK-333	CERACOL 609 N									
	ANTI-TERRA-U		BYK-141	CERAFLOUR 925		BYK-399	BYK-3550	CERAFLOUR 925									
	DISPERBYK-174		BYK-081	CERAFLOUR 991		BYK-354	CERAFLOUR 991										
	DISPERBYK-180		Silicone-free:	Silicone:		BYK-356	Silicone:										
	DISPERBYK-192					BYK-054		BYK-307						BYK-307			
		BYK-057	BYK-313	BYK-302	BYK-313	BYK-313	BYK-306										
		BYK-392	BYK-333	BYK-320	BYK-325	BYK-306											
Aqueous Systems																	
	BYK-P 105	DISPERBYK-192	Silicone:	Wax:	Hydroxy functional:	Silicone:	Silicone:	Wax:		AQUACER 537		CERAFLOUR 913	BYK-4509				
	DISPERBYK-192	BYK-P 105	BYK-019	AQUACER 1547	BYK-SILCLEAN 3720	BYK-302	BYK-346	AQUACER 1547		CERAFLOUR 920			BYK-4510				
	DISPERBYK-180		BYK-021	CERAFLOUR 925		BYK-349	BYK-307	CERAFLOUR 925		BYK-4510							
	DISPERBYK-190		BYK-022	AQUACER 2650		BYK-333	BYK-348	Silicone:									
			BYK-093	Silicone:		BYK-307	BYK-307	BYK-307									
			BYK-028			BYK-307	BYK-313	BYK-313									
	BYK-081		BYK-333			BYK-333	BYK-333										
	Silicone-free:			Silicone-free:		BYK-3410											
	BYK-016																
	BYK-1640																
	BYK-011																
Radiation-curing Systems, Solvent-free																	
	BYK-P 105	DISPERBYK-111	Silicone:	Wax:	Acrylic functional:	Silicone:	Silicone:	Wax:	Wax:	CERAFLOUR 920	CERAFLOUR 994	CERAFLOUR 913					
	DISPERBYK-2013	BYK-P 105	BYK-088	CERAFLOUR 925	BYK-UV 3500	BYK-302	BYK-307	CERAFLOUR 925	CERAFLOUR 925								
	BYK-9076		BYK-081	CERAFLOUR 991		BYK-3550	BYK-333	CERAFLOUR 991	CERAFLOUR 981								
	DISPERBYK-111		Silicone-free:	Silicone:		BYK-3550	BYK-UV 3505	Silicone:									
	DISPERBYK-168					BYK-1790	BYK-307	BYK-307									
						BYK-1794	BYK-333	BYK-333									
				BYK-377		BYK-377	BYK-377										
			BYK-378	BYK-399		BYK-378											
Suitable for cationic systems:																	
Only for inorganic pigments: DISPERBYK-111	DISPERBYK-111	BYK-1790 BYK-1794	Silicone:		Silicone:	Silicone:	Wax:	Wax:									
			BYK-307		BYK-302	BYK-307	CERAFLOUR 925	CERAFLOUR 925									
			BYK-333		BYK-3550	BYK-333	CERAFLOUR 991	CERAFLOUR 981									
			BYK-377		Silicone-free:		BYK-350	BYK-307						BYK-333	BYK-377		
			BYK-378													BYK-359	BYK-377
			Wax:													BYK-399	BYK-378

First recommendation Second recommendation * Permanently improved surface slip is achieved only when the reactive silicone additives are crosslinked with the binder.

For the additives marked in grey compliance with US or European food contact regulations have been evaluated (see table below).

Food Contact Status

	U.S. Title 21 CFR FDA § 175.300	CEPE Code of Practice for food contact coatings	Commision regulation (EU) No 10/2011 (former Directive 2002/72/EC)		U.S. Title 21 CFR FDA § 175.300	CEPE Code of Practice for food contact coatings	Commision regulation (EU) No 10/2011 (former Directive 2002/72/EC)		U.S. Title 21 CFR FDA § 175.300	CEPE Code of Practice for food contact coatings	Commision regulation (EU) No 10/2011 (former Directive 2002/72/EC)
ANTI-TERRA-U	■	■		BYK-313	■ ⁽²⁾	■ ⁽²⁾		BYKETOL-AQ	■	■	■
AQUACER 1547	■	■	■	BYK-333	⁽³⁾	■	■	CERACOL 604	■		
BYK-011	■ (≤ 0.2 %) ⁽¹⁾	■ (≤ 0.2 %) ⁽¹⁾		BYK-350	■	■	■	CERACOL 609 N	■	■	
BYK-016	■	■	■	BYK-354	■	■	■	CERAFLOUR 913	■	■	■
BYK-021	■ (≤ 0.05 %) ⁽¹⁾	■ (≤ 0.4 %) ⁽¹⁾		BYK-356	■	■	■	CERAFLOUR 920	■		
BYK-022	■ (≤ 0.8 %) ⁽¹⁾	■ (≤ 0.8 %) ⁽¹⁾		BYK-359	■	■	■	CERAFLOUR 925	■	■	■
BYK-028	■ (≤ 0.9 %) ⁽¹⁾	■ (≤ 0.9 %) ⁽¹⁾		BYK-370	■ ⁽²⁾	■		CERAFLOUR 991	■	■	■
BYK-054	■	■	■	BYK-392	■	■		CERAFLOUR 994	■		
BYK-057	■	■		BYK-399	■ (≤ 0.1 %) ⁽¹⁾			DISPERBYK-192	■	■	■
BYK-072	■	■	■	BYK-1640	■	■	■				
BYK-081	■	■	■	BYK-1790	■	■	■				
BYK-088	■	■		BYK-1794	■	■	■				
BYK-093	■ (≤ 0.3 %) ⁽¹⁾	■ (≤ 1 %) ⁽¹⁾		BYK-3410	■	■					
BYK-141	■	■		BYK-4510	■	■					
BYK-302	⁽³⁾	■	■	BYK-9076	■	■					
BYK-306	⁽³⁾	■	■	BYK-P 104	■	■					
BYK-307	⁽³⁾	■	■	BYK-P 105	■	■					

⁽¹⁾ The stated maximum additive dosage is valid for a standard coating of 12 µm film thickness and a solid content of the liquid coating material of 40 %.
⁽²⁾ "No migration" study.
⁽³⁾ Details in our food contact documents on our website

For detailed information regarding the regulatory status according to food contact regulation please contact our product safety department or visit our website www.byk.com.

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

www.byk.com

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