

ADDITIVE SELECTION CHART WOOD AND FURNITURE COATINGS/ DECORATIVE FILM SYSTEMS

DEFOAMING

STABILIZING

MATting





Wood and furniture coatings/decorative film systems (1/5)

Application	Conventional curing		Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free
Wetting and stabilization of matting agents	DISPERBYK-103 ● DISPERBYK-2159 ○	DISPERBYK-2012 ●	DISPERBYK-2012 ●	DISPERBYK-2009 R ● DISPERBYK-2158 ● DISPERBYK-2159 ○
Wetting and stabilization of pigments	DISPERBYK-111 ● DISPERBYK-2013 ● DISPERBYK-2155 TF*2 ● DISPERBYK-2152 TF*2 ○	DISPERBYK-2013 ● DISPERBYK-2015 BF*3 ● DISPERBYK-2080 ● DISPERBYK-190 BF*3 ○ DISPERBYK-2081 ○	DISPERBYK-2013 ● DISPERBYK-2015 BF*3 ● DISPERBYK-190 BF*3 ○ DISPERBYK-199 BF*3 ○	DISPERBYK-111 ● DISPERBYK-2013 ● DISPERBYK-2155 TF*2 ●
Anti-settling	RHEOBYK-7410 ET ● RHEOBYK-D 410 ● CLAYTONE-HY ○ GARAMITE-1958 ○ Wax: CERAMAT 258 ●	BYK-AQUAGEL 7100 ● LAPONITE-S 482 ● LAPONITE-RDS ○ OPTIGEL-WX ○	BYK-AQUAGEL 7100 ● LAPONITE-S 482 ● LAPONITE-RDS ○ OPTIGEL-WX ○	GARAMITE-1958 ● GARAMITE-7303 ● RHEOBYK-D 410 ● RHEOBYK-7410 ET ○
Viscosity adjustment		RHEOBYK-7650*4 ● RHEOBYK-7670*4 ● RHEOBYK-7690*4 ● RHEOBYK-H 7500 VF ● RHEOBYK-L 1400 VF ○	RHEOBYK-7650*4 ● RHEOBYK-7670*4 ● RHEOBYK-7690*4 ● RHEOBYK-H 7500 VF ● RHEOBYK-L 1400 VF ○	
Substrate wetting	Silicone: BYK-333 ● BYK-379 ● BYK-3760 ● BYK-306*1 / BYK-3761 ○	Silicone: BYK-348 ● BYK-3455 ● BYK-3456 ● BYK-346 ○ BYK-349 ○	Silicone: BYK-3455 ● BYK-3456 ● BYK-346 ○ BYK-348 ○ BYK-349 ○	Silicone: BYK-3760 ● BYK-UV 3500*1,5 ● BYK-UV 3505*5 ● BYK-379 ○

● First recommendation ○ Second recommendation

Unless otherwise stated, all silicone-containing additives have a cyclic siloxane content (D4, D5, D6) of less than 0.1 % each.

*1 Content of cyclic siloxanes \geq 0.1 %.

*2 (Organo) Tin-free version: Future-oriented variant of the original product. Originals are still available.

*3 Biocide-free version: Future-oriented variant of the original product. Originals are still available.

*4 Solid, non-dusting, and biocide-free rheology additive.

*5 Contains functional groups

*6 To be combined with a polysiloxane additive such as BYK-UV 3500



Wood and furniture coatings/decorative film systems (2/5)

Application	Conventional curing		Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free
Leveling	Silicone: BYK-331* ¹ /BYK-3753 ● BYK-379 ● BYK-306* ¹ /BYK-3761 ○ Silicone-free: BYK-358 N ● BYK-361 N ●	Silicone: BYK-379 ● BYK-3455 ● BYK-3456 ● BYK-342* ¹ /BYK-3754 ○ Silicone-free: BYK-DYNWET 800 ● BYK-DYNWET 810 ● BYKETOL-AQ ○	Silicone: BYK-3455 ● BYK-3456 ● BYK-349 ○ Silicone-free: BYK-DYNWET 800 ● BYK-DYNWET 810 ● BYKETOL-AQ ○	Silicone: BYK-3455 ● BYK-3456 ● BYK-333 ○ Silicone-free: BYK-361 N ● BYK-UV 3535* ⁵ ●
Surface slip	Silicone: BYK-333 ● BYK-379 ● BYK-3760 ● BYK-370* ^{1,5} /BYK-3772* ⁵ ○ Wax: CERAFLOR 988 ●	Silicone: BYK-333 ● BYK-3760 ● BYK-342* ¹ /BYK-3754 ○ BYK-379 ○ Wax: AQUACER 539 ●	Silicone: BYK-333 ● BYK-3760 ● BYK-379 ○ Wax: AQUACER 539 ●	Silicone: BYK-333 ● BYK-379 ● BYK-3760 ● BYK-UV 3500* ^{1,5} ● BYK-UV 3505* ⁵ ● Wax: CERAFLOR 988 ●
Anti-slip	Wax: CERAFLOR 970 ●	Wax: AQUACER 593 ●	Wax: AQUACER 593 ●	Wax: CERAFLOR 970 ● Silicone-free: BYK-UV 3535* ⁵ ●
Tape release	Silicone: BYK-377* ^{1,5} /BYK-3771* ⁵ ● BYK-379 ● BYK-3760 ● BYK-333 ○ BYK-370* ^{1,5} /BYK-3772* ⁵ ○	Silicone: BYK-333 ● BYK-SILCLEAN 3720* ⁵ ● BYK-379 ○	Silicone: BYK-333 ● BYK-SILCLEAN 3720 ● BYK-379 ○	Silicone: BYK-379 ● BYK-UV 3500* ^{1,5} ● BYK-UV 3505* ⁵ ● BYK-377* ^{1,5} /BYK-3771* ⁵ ○ BYK-3760 ○

● First recommendation ○ Second recommendation

Unless otherwise stated, all silicone-containing additives have a cyclic siloxane content (D4, D5, D6) of less than 0.1 % each.

*¹ Content of cyclic siloxanes ≥ 0.1 %.

*² (Organo) Tin-free version: Future-oriented variant of the original product. Originals are still available.

*³ Biocide-free version: Future-oriented variant of the original product. Originals are still available.

*⁴ Solid, non-dusting, and biocide-free rheology additive.

*⁵ Contains functional groups

*⁶ To be combined with a polysiloxane additive such as BYK-UV 3500



Wood and furniture coatings/decorative film systemse (3/5)

Application	Conventional curing		Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free
Easy-to-clean	Silicone: BYK-SILCLEAN 3700* ⁵ ●	Silicone: BYK-SILCLEAN 3720* ⁵ ●	Silicone: BYK-UV 3500* ^{1,5} ●	Silicone: BYK-UV 3500* ^{1,5} ●
Mechanical resistance	BYK-UV 3518 ● NANOBYK-3650 ○	NANOBYK-3603* ⁶ ● NANOBYK-3620 ○	NANOBYK-3603* ⁶ ● NANOBYK-3620* ⁶ ○	BYK-UV 3519* ⁵ ● NANOBYK-3605* ^{5,6} ● BYK-UV 3518* ⁵ ○
	Wax: CERAFLOUR 929 N ● CERAFLOUR 988 ● CERAFLOUR 1010 ○	Wax: CERAFLOUR 927 N ● CERAFLOUR 929 N ● CERAFLOUR 1010 ● AQUACER 513 ○ AQUAMAT 272 N ○	Wax: CERAFLOUR 927 N ● CERAFLOUR 929 N ● CERAFLOUR 1010 ● AQUAMAT 272 N ○	Wax: CERAFLOUR 929 N ● CERAFLOUR 988 ● CERAFLOUR 1010 ●
Defoaming	Silicone: BYK-141 ● BYK-1799 ● BYK-1816 ● BYK-077 ○ BYK-1818 ○	Silicone: BYK-024 ● BYK-092 ● BYK-093 ● BYK-1781 ● BYK-1786 ● BYK-028 ○ BYK-1709 ○	Silicone: BYK-092 ● BYK-093 ● BYK-094 ● BYK-1781 ● BYK-1786 ● BYK-024 ○ BYK-028 ○	Silicone: BYK-1799 ● BYK-1816 ● BYK-088 ○ BYK-1818 ○ BYK-A 530 ○
	Silicone-free: BYK-1788 ●	Silicone-free: BYK-012 ●		Silicone-free: BYK-1788 ● BYK-1791 ● BYK-1794 ● BYK-1790 ○

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Wood and furniture coatings/decorative film systems (4/5)

Application	Conventional curing		Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free
Matting	CERAFLLOUR 988 ● CERAFLLOUR 994 ● CERAFLLOUR 1000 ● CERAFLLOUR 929 N ○ CERAFLLOUR 1001 ○ CERAFLLOUR 1002 ○ CERAFLLOUR 1003 ○	AQUAMAT 208 ● CERAFLLOUR 1000 ● CERAFLLOUR 1010 ● AQUAMAT 272 N ○ CERAFLLOUR 927 N ○ CERAFLLOUR 929 N ○ CERAFLLOUR 1001 ○ CERAFLLOUR 1002 ○ CERAFLLOUR 1003 ○	AQUAMAT 208 ● CERAFLLOUR 1000 ● CERAFLLOUR 1010 ● AQUAMAT 272 N ○ CERAFLLOUR 927 N ○ CERAFLLOUR 929 N ○ CERAFLLOUR 1001 ○ CERAFLLOUR 1002 ○	CERAFLLOUR 1000 ● CERAFLLOUR 1010 ● CERAFLLOUR 929 N ○ CERAFLLOUR 950 ○ CERAFLLOUR 988 ○ CERAFLLOUR 1001 ○ CERAFLLOUR 1002 ○
Orientation of silica matting agents	Silicone: BYK-320 ● BYK-323* ¹ /BYK-3780 ● BYK-3760 ● BYK-331* ¹ ○ BYK-379 ○ BYK-3753 ○	Silicone: BYK-333 ● BYK-3760 ● BYK-379 ○	Silicone: BYK-333 ● BYK-3760 ● BYK-379 ○	Silicone: BYK-3760 ● BYK-UV 3500* ^{1,5} ● BYK-UV 3505* ⁵ ● BYK-379 ○
Curtain stability	Silicone: BYK-306* ¹ /BYK-3761 ● BYK-378* ¹ /BYK-3764 ●	Silicone: BYK-307* ¹ /BYK-3762 ●	Silicone: BYK-307* ¹ /BYK-3762 ●	Silicone: BYK-307* ¹ /BYK-3762 ●
Anti-blocking	CERAFLLOUR 929 N ●	AQUACER 539 ● CERAFLLOUR 927 N ● CERAFLLOUR 929 N ● AQUAMAT 272 N ○	AQUACER 539 ● CERAFLLOUR 927 N ● CERAFLLOUR 929 N ● AQUAMAT 272 N ○	

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Wood and furniture coatings/decorative film systems (5/5)

Application	Conventional curing		Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free
Haptic effects	Texture: CERAFLLOUR 913 ● CERAFLLOUR 914 ● CERAFLLOUR 915 ● CERAFLLOUR 916 ● CERAFLLOUR 917 ● CERAFLLOUR 1003 ○	Texture: CERAFLLOUR 913 ● CERAFLLOUR 914 ● CERAFLLOUR 915 ● CERAFLLOUR 916 ● CERAFLLOUR 917 ● CERAFLLOUR 1003 ○	Texture: CERAFLLOUR 913 ● CERAFLLOUR 914 ● CERAFLLOUR 915 ● CERAFLLOUR 916 ● CERAFLLOUR 917 ●	Texture: CERAFLLOUR 913 ● CERAFLLOUR 914 ● CERAFLLOUR 915 ● CERAFLLOUR 916 ● CERAFLLOUR 917 ●
	Soft-feel effect: CERAFLLOUR 988 ● CERAFLLOUR 994 ● CERAFLLOUR 1000 ● CERAFLLOUR 1001 ● CERAFLLOUR 1004 ●	Soft-feel effect: CERAFLLOUR 994 ● CERAFLLOUR 1000 ● CERAFLLOUR 1001 ● CERAFLLOUR 1004 ● AQUAMAT 208 ○	Soft-feel effect: CERAFLLOUR 994 ● CERAFLLOUR 1000 ● CERAFLLOUR 1001 ● AQUAMAT 208 ○	Soft-feel effect: CERAFLLOUR 994 ● CERAFLLOUR 1000 ● CERAFLLOUR 1001 ●

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