

ADDITIVE SELECTION CHART WOOD AND FURNITURE COATINGS/ DECORATIVE FILM SYSTEMS





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

Application	Wood and furniture coatings				Decorative film systems		
	Conventional curing		Radiation curing		Conventional curing	Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free	Solvent-borne	Aqueous	Solvent-free
Wetting and stabilization of pigments and matting agents	DISPERBYK-103 ●	DISPERBYK-2010 ●	DISPERBYK-2012 ●	DISPERBYK-2008 ●	DISPERBYK-103 ●	DISPERBYK-2012 ●	DISPERBYK-2008 ●
	DISPERBYK-2013 ●	DISPERBYK-2012 ●	DISPERBYK-2013 ●	DISPERBYK-2013 ●	DISPERBYK-2159 ●	DISPERBYK-2013 ●	DISPERBYK-2158 ●
	DISPERBYK-2155 TF*2 ●	DISPERBYK-2013 ●	DISPERBYK-2015 BF*3 ●	DISPERBYK-2155 TF*2 ●	BYK-P 104 ○		DISPERBYK-2159 ○
	DISPERBYK-2159 ●	DISPERBYK-2015 BF*3 ●	DISPERBYK-190 BF*3 ○	DISPERBYK-2158 ●			
	DISPERBYK-111 ○	DISPERBYK-2081 ●	DISPERBYK-199 BF*3 ○	DISPERBYK-111 ○			
	DISPERBYK-2152 TF*2 ○	DISPERBYK-190 BF*3 ○	DISPERBYK-2159 ○				
		DISPERBYK-2080 ○					
Anti-settling	RHEOBYK-7410 ET ●	BYK-AQUAGEL 7100 ●	BYK-AQUAGEL 7100 ●	GARAMITE-1958 ●	RHEOBYK-410 ●	BYK-AQUAGEL 7100 ●	RHEOBYK-410 ●
	CLAYTONE-40 ○	LAPONITE-S 482 ●	LAPONITE-S 482 ●	GARAMITE-7303 ●	RHEOBYK-7410 ET ●		RHEOBYK-7410 ET ○
	CLAYTONE-HY ○	OPTIGEL-WX ○	OPTIGEL-WX ○	RHEOBYK-410 ●			
	RHEOBYK-410 ○			RHEOBYK-7410 ET ○			
	Wax: CERAMAT 258 ●				Wax: AQUATIX 8421 ●		
Viscosity adjustment		RHEOBYK-7650 ●	RHEOBYK-7650 ●			RHEOBYK-7650 ●	
		RHEOBYK-7670 ●	RHEOBYK-7670 ●			RHEOBYK-7670 ●	
		RHEOBYK-7690 ●	RHEOBYK-7690 ●			RHEOBYK-7690 ●	
		RHEOBYK-H 7500 VF ●	RHEOBYK-H 7500 VF ●			RHEOBYK-H 7500 VF ●	
		RHEOBYK-H 7625 VF ○	RHEOBYK-H 7625 VF ○			RHEOBYK-H 3300 VF ○	
					RHEOBYK-H 7625 VF ○		
Substrate wetting	Silicone:	Silicone:	Silicone:	Silicone:	Silicone:	Silicone:	Silicone:
	BYK-333 ●	BYK-348 ●	BYK-349 ●	BYK-3760 ●	BYK-306*1 ●	BYK-349 ●	BYK-UV 3500*1,4 ●
	BYK-378*1 ●	BYK-349 ●	BYK-3455 ●	BYK-UV 3500*1,4 ●	BYK-333 ●	BYK-3455 ●	BYK-UV 3505*4 ●
	BYK-3760 ●	BYK-3455 ●	BYK-3456 ●	BYK-UV 3505*4 ●	BYK-378*1 ●	BYK-3456 ●	BYK-349 ○
	BYK-3764 ●	BYK-3456 ●		BYK-378*1 ○	BYK-3760 ●	BYK-348 ○	BYK-378*1 ○
	BYK-306*1 ○	BYK-346 ○		BYK-3764 ○	BYK-3764 ●		BYK-3764 ○
	BYK-3761 ○						

● 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 Contains functional groups

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



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

Application	Wood and furniture coatings				Decorative film systems		
	Conventional curing		Radiation curing		Conventional curing	Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free	Solvent-borne	Aqueous	Solvent-free
Leveling	Silicone: BYK-331*1 ● BYK-378*1 ● BYK-3753 ● BYK-3764 ● BYK-306*1 ○ BYK-3761 ○	Silicone: BYK-378*1 ● BYK-3455 ● BYK-3456 ● BYK-3764 ● BYK-342*1 ○ BYK-3754 ○	Silicone: BYK-3455 ● BYK-3456 ● BYK-333 ○	Silicone: BYK-3455 ● BYK-3456 ● BYK-349 ○	Silicone: BYK-331*1 ● BYK-378*1 ● BYK-3764 ●	Silicone: BYK-3455 ● BYK-3456 ●	Silicone: BYK-3455 ● BYK-3456 ●
	Silicone-free: BYK-358 N ● BYK-361 N ●	Silicone-free: BYK-DYNWET 800 ● BYKETOL-AQ ○		Silicone-free: BYK-361 N ● BYK-UV 3535*4 ●	Silicone-free: BYK-358 N ● BYK-361 N ●	Silicone-free: BYKETOL-AQ ○	Silicone-free: BYK-361 N ● BYK-UV 3535*4 ●
Surface slip	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-370*1,4 ○ BYK-3772*4 ○	Silicone: BYK-333 ● BYK-3760 ● BYK-342*1 ○ BYK-378*1 ○ BYK-3754 ○ BYK-3764 ○	Silicone: BYK-333 ● BYK-3760 ● BYK-UV 3500*1,4 ●	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-UV 3500*1,4 ● BYK-UV 3505*4 ●	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-370*1,4 ○	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-UV 3500*1,4 ●	Silicone: BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-UV 3500*1,4 ● BYK-UV 3505*4 ● BYK-333 ○
	Wax: CERAFLOR 988 ●	Wax: AQUACER 539 ●	Wax: AQUACER 539 ●	Wax: CERAFLOR 988 ● CERAFLOR 996 R ●	Wax: CERAFLOR 988 ●		
Anti-slip	Wax: CERAFLOR 970 ●	Wax: AQUACER 593 ●	Wax: AQUACER 593 ●	Wax: CERAFLOR 970 ●			
				Silicone-free: BYK-UV 3535*4 ●			

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



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

Application	Wood and furniture coatings				Decorative film systems		
	Conventional curing		Radiation curing		Conventional curing	Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free	Solvent-borne	Aqueous	Solvent-free
Tape release	Silicone: BYK-377* ^{1,4} ● BYK-3760 ● BYK-3771* ⁴ ● BYK-333 ○ BYK-370* ^{1,4} ○ BYK-3772* ⁴ ○	Silicone: BYK-333 ● BYK-SILCLEAN 3720* ⁴ ●	Silicone: BYK-377* ^{1,4} ● BYK-3771* ⁴ ● BYK-333 ○ BYK-UV 3500* ^{1,4} ○	Silicone: BYK-UV 3500* ^{1,4} ● BYK-UV 3505* ⁴ ● BYK-378* ¹ ○ BYK-3760 ○ BYK-3764 ○	Silicone: BYK-377* ^{1,4} ● BYK-3771* ⁴ ● BYK-SILCLEAN 3700* ⁴ ●	Silicone: BYK-SILCLEAN 3720* ⁴ ●	Silicone: BYK-UV 3500* ^{1,4} ● BYK-UV 3505* ⁴ ● BYK-378* ¹ ○ BYK-3764 ○
					Silicone-free: BYK-394* ⁴ ●	Silicone-free: BYK-394* ⁴ ●	
Easy-to-clean	Silicone: BYK-SILCLEAN 3700* ⁴ ●	Silicone: BYK-SILCLEAN 3720* ⁴ ●	Silicone: BYK-UV 3500* ^{1,4} ●	Silicone: BYK-UV 3500* ^{1,4} ●			
Mechanical resistance	NANOBYK-3650 ●	NANOBYK-3620 ●	NANOBYK-3603* ⁵ ● NANOBYK-3620* ⁵ ○	NANOBYK-3605* ^{4,5} ●	NANOBYK-3650 ●	NANOBYK-3620 ●	NANOBYK-3605* ^{4,5} ●
	Wax: CERAFLOR 929 N ● CERAFLOR 988 ● CERAFLOR 996 R ○ CERAFLOR 999 ○ CERAFLOR 1010 ○	Wax: CERAFLOR 927 N ● CERAFLOR 929 N ● CERAFLOR 1010 ● AQUACER 513 ○ AQUAMAT 272 N ○	Wax: CERAFLOR 927 N ● CERAFLOR 929 N ● CERAFLOR 1010 ● AQUAMAT 272 N ○	Wax: CERAFLOR 929 N ● CERAFLOR 988 ● CERAFLOR 999 ● CERAFLOR 1010 ● CERAFLOR 996 R ○	Wax: CERAFLOR 929 N ● CERAFLOR 988 ● CERAFLOR 996 R ○	Wax: CERAFLOR 927 N ● CERAFLOR 929 N ● AQUACER 513 ○ AQUAMAT 272 N ○	Wax: CERAFLOR 929 N ● CERAFLOR 996 R ○

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*¹ Content of cyclic siloxanes \geq 0.1 %.

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

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*⁴ Contains functional groups

*⁵ To be combined with a polysiloxane additive such as BYK-UV 3500



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

Application	Wood and furniture coatings				Decorative film systems		
	Conventional curing		Radiation curing		Conventional curing	Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free	Solvent-borne	Aqueous	Solvent-free
Defoaming	Silicone: BYK-141 ● BYK-1799 ● BYK-077 ○	Silicone: BYK-024 ● BYK-092 ● BYK-093 ● BYK-1781 ● BYK-1786 ● BYK-019*1 ○ BYK-028 ○ BYK-094 ○ BYK-1709 ○	Silicone: BYK-092 ● BYK-093 ● BYK-094 ● BYK-1781 ● BYK-1786 ● BYK-024 ○ BYK-028 ○	Silicone: BYK-1799 ● BYK-088 ○ BYK-A 530 ○	Silicone: BYK-1799 ●	Silicone: BYK-093 ● BYK-094 ● BYK-1781 ● BYK-1786 ● BYK-024 ○ BYK-028 ○	Silicone: BYK-088 ● BYK-1799 ●
	Silicone-free: BYK-1788 ●	Silicone-free: BYK-012 ● BYK-1710 ○ BYK-1711 ○		Silicone-free: BYK-1788 ● BYK-1790 ● BYK-1791 ● BYK-1794 ●	Silicone-free: BYK-1788 ●	Silicone-free: BYK-1788 ● BYK-1790 ● BYK-1791 ● BYK-1794 ●	Silicone-free: BYK-1788 ● BYK-1790 ● BYK-1791 ● BYK-1794 ●
Matting	CERAFLOR 920 ● CERAFLOR 929 N ● CERAFLOR 988 ● CERAFLOR 994 ● CERAFLOR 1000 ● CERAFLOR 1001 ● CERAFLOR 1002 ● CERAFLOR 1003 ● CERAFLOR 1010 ● CERAFLOR 1004 ○	CERAFLOR 920 ● CERAFLOR 1000 ● CERAFLOR 1001 ● CERAFLOR 1002 ● CERAFLOR 1003 ● CERAFLOR 1010 ● AQUAMAT 208 ○ AQUAMAT 272 N ○ CERAFLOR 927 N ○ CERAFLOR 929 N ○ CERAFLOR 1004 ○	CERAFLOR 920 ● CERAFLOR 1000 ● CERAFLOR 1001 ● CERAFLOR 1002 ● CERAFLOR 1010 ● AQUAMAT 208 ○ AQUAMAT 272 N ○ CERAFLOR 927 N ○ CERAFLOR 929 N ○	CERAFLOR 920 ● CERAFLOR 1000 ● CERAFLOR 1001 ● CERAFLOR 1002 ● CERAFLOR 1010 ● CERAFLOR 929 N ○ CERAFLOR 950 ○ CERAFLOR 988 ○	CERAFLOR 920 ● CERAFLOR 1000 ● CERAFLOR 1001 ● CERAFLOR 929 N ○ CERAFLOR 988 ○	CERAFLOR 920 ● CERAFLOR 927 N ● CERAFLOR 929 N ● CERAFLOR 1000 ● CERAFLOR 1001 ● AQUAMAT 208 ○ AQUAMAT 272 N ○	CERAFLOR 920 ● CERAFLOR 929 N ● CERAFLOR 950 ● CERAFLOR 1000 ● CERAFLOR 1001 ●

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

Application	Wood and furniture coatings				Decorative film systems		
	Conventional curing		Radiation curing		Conventional curing	Radiation curing	
	Solvent-borne	Aqueous	Aqueous	Solvent-free	Solvent-borne	Aqueous	Solvent-free
Orientation of silica matting agents	Silicone: BYK-320 ● BYK-323*1 ● BYK-3780 ● BYK-331*1 ○ BYK-378*1 ○ BYK-3753 ○ BYK-3760 ○ BYK-3764 ○	Silicone: BYK-333 ● BYK-3760 ●	Silicone: BYK-333 ● BYK-3760 ● BYK-378*1 ○ BYK-3764 ○	Silicone: BYK-3760 ● BYK-UV 3500*1, 4 ● BYK-UV 3505*4 ● BYK-378*1 ○ BYK-3764 ○	Silicone: BYK-323*1 ● BYK-378*1 ● BYK-3764 ● BYK-3760 ○	Silicone: BYK-333 ● BYK-378*1 ● BYK-3764 ●	Silicone: BYK-UV 3505*4 ●
Curtain stability	Silicone: BYK-306*1 ● BYK-378*1 ● BYK-3761 ● BYK-3764 ●	Silicone: BYK-307*1 ● BYK-3762 ●	Silicone: BYK-307*1 ● BYK-3762 ●	Silicone: BYK-307*1 ● BYK-3762 ●			
Anti-blocking	CERAFLOUR 929 N ●	AQUACER 539 ● CERAFLOUR 927 N ● CERAFLOUR 929 N ● AQUAMAT 272 N ○	AQUACER 539 ● CERAFLOUR 927 N ● CERAFLOUR 929 N ● AQUAMAT 272 N ○				
Haptic effects	Texture: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ● CERAFLOUR 1003 ○ Soft-feel effect: CERAFLOUR 988 ● CERAFLOUR 994 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● CERAFLOUR 1004 ●	Texture: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ● CERAFLOUR 1003 ○ Soft-feel effect: CERAFLOUR 994 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● CERAFLOUR 1004 ● AQUAMAT 208 ○	Texture: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ● Soft-feel effect: CERAFLOUR 994 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● AQUAMAT 208 ○	Texture: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ● Soft-feel effect: CERAFLOUR 994 ● CERAFLOUR 999 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ●	Texture: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ●	Texture: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ●	Texture: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ●

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