

ADDITIVE SELECTION CHART WOOD AND FURNITURE COATINGS/ DECORATIVE FILM SYSTEMS





Wood and furniture coatings/decorative film systems (1/4)

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-2013 ● DISPERBYK-2155 TF*2 ● DISPERBYK-2159 ● DISPERBYK-111 ○ DISPERBYK-2152 ○	DISPERBYK-2010 ● DISPERBYK-2012 ● DISPERBYK-2013 ● DISPERBYK-2015 BF*3 ● DISPERBYK-2081 ● DISPERBYK-190 BF*3 ○ DISPERBYK-2080 ○	DISPERBYK-2012 ● DISPERBYK-2013 ● DISPERBYK-2015 BF*3 ● DISPERBYK-190 BF*3 ○ DISPERBYK-199 BF*3 ○	DISPERBYK-2008 ● DISPERBYK-2013 ● DISPERBYK-2155 TF*2 ● DISPERBYK-2158 ● DISPERBYK-111 ○ DISPERBYK-2159 ○	DISPERBYK-103 ● DISPERBYK-2159 ● BYK-P 104 ○	DISPERBYK-2012 ● DISPERBYK-2013 ●	DISPERBYK-2008 ● DISPERBYK-2158 ● DISPERBYK-2159 ○
	Anti-settling	RHEOBYK-7410 ET ● CLAYTONE-40 ○ CLAYTONE-HY ○ RHEOBYK-410 ○ Wax: CERAMAT 258 ●	LAPONITE-S 482 ● RHEOBYK-H 7500 VF ● OPTIGEL-WX ○ RHEOBYK-H 7625 VF ○	LAPONITE-S 482 ● RHEOBYK-H 7500 VF ● OPTIGEL-WX ○ RHEOBYK-H 7625 VF ○	GARAMITE-1958 ● GARAMITE-7303 ● RHEOBYK-410 ● RHEOBYK-7410 ET ○	RHEOBYK-410 ● RHEOBYK-7410 ET ●	RHEOBYK-H 7500 VF ● RHEOBYK-H 3300 VF ○ RHEOBYK-H 7625 VF ○
Substrate wetting	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-306*1 ○ BYK-3761 ○	Silicone: BYK-348 ● BYK-349 ● BYK-3455 ● BYK-3456 ● BYK-346 ○	Silicone: BYK-349 ● BYK-3455 ● BYK-3456 ●	Silicone: BYK-3760 ● BYK-UV 3500*4 ● BYK-UV 3505*4 ● BYK-378*1 ○ BYK-3764 ○	Silicone: BYK-306 ● BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ●	Silicone: BYK-349 ● BYK-3455 ● BYK-3456 ● BYK-348 ○	Silicone: BYK-UV 3500*4 ● BYK-UV 3505*4 ● BYK-349 ○ BYK-378*1 ○ BYK-3764 ○
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-UV 3535*4 ● BYK-349 ○	Silicone: BYK-331 ● BYK-378*1 ● BYK-3764 ●	Silicone: BYK-3455 ● BYK-3456 ●	Silicone: BYK-3455 ● BYK-3456 ● BYK-UV 3535 ●
	Silicone-free: BYK-358 N ● BYK-361 N ●	Silicone-free: BYK-DYNWET 800 ● BYKETOL-AQ ○		Silicone-free: BYK-361 N ●	Silicone-free: BYK-358 N ● BYK-361 N ●	Silicone-free: BYKETOL-AQ ○	Silicone-free: BYK-361 N ●

● 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 (2/4)

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
Surface slip	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-370*1 ○ BYK-3770 ○	Silicone: BYK-333 ● BYK-3760 ● BYK-342*1 ○ BYK-378*1 ○ BYK-3754 ○ BYK-3764 ○	Silicone: BYK-333 ● BYK-3760 ● BYK-UV 3500*4 ●	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-UV 3500*4 ● BYK-UV 3505*4 ●	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-370 ○	Silicone: BYK-333 ● BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-UV 3500*4 ●	Silicone: BYK-378*1 ● BYK-3760 ● BYK-3764 ● BYK-UV 3500*4 ● BYK-UV 3505*4 ● BYK-333 ○
	Wax: CERAFLOUR 988 ●	Wax: AQUACER 539 ●	Wax: AQUACER 539 ●	Wax: CERAFLOUR 988 ● CERAFLOUR 996 R ●	Wax: CERAFLOUR 988 ●		
Anti-slip	Wax: CERAFLOUR 970 ●	Wax: AQUACER 593 ●	Wax: AQUACER 593 ●	Wax: CERAFLOUR 970 ●			
				Silicone-free: BYK-UV 3535*4 ●			
Tape release	Silicone: BYK-377*1,4 ● BYK-3760 ● BYK-3771 ● BYK-333 ○ BYK-370*1 ○ BYK-3770 ○	Silicone: BYK-333 ● BYK-SILCLEAN 3720*4 ●	Silicone: BYK-377*1,4 ● BYK-3771 ● BYK-333 ○ BYK-UV 3500*4 ○	Silicone: BYK-UV 3500*4 ● BYK-UV 3505*4 ● BYK-378*1 ○ BYK-3760 ○ BYK-3764 ○	Silicone: BYK-377*1,4 ● BYK-394*4 ● BYK-3771 ● BYK-SILCLEAN 3700*4 ●	Silicone: BYK-394*4 ● BYK-SILCLEAN 3720*4 ●	Silicone: BYK-UV 3500*4 ● BYK-UV 3505*4 ● BYK-378*1 ○ BYK-3764 ○
Easy-to-clean	Silicone: BYK-SILCLEAN 3700*4 ●	Silicone: BYK-SILCLEAN 3720*4 ●	Silicone: BYK-UV 3500*4 ●	Silicone: BYK-UV 3500*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: CERAFLOUR 929 N ● CERAFLOUR 988 ● CERAFLOUR 996 R ○ CERAFLOUR 999 ○	Wax: CERAFLOUR 927 N ● CERAFLOUR 929 N ● AQUACER 513 ○ AQUAMAT 272 N ○	Wax: CERAFLOUR 927 N ● CERAFLOUR 929 N ● AQUAMAT 272 N ○	Wax: CERAFLOUR 929 N ● CERAFLOUR 988 ● CERAFLOUR 999 ● CERAFLOUR 996 R ○	Wax: CERAFLOUR 929 N ● CERAFLOUR 988 ● CERAFLOUR 996 R ○	Wax: CERAFLOUR 929 N ● CERAFLOUR 929 N ● AQUACER 513 ○ AQUAMAT 272 N ○	Wax: CERAFLOUR 927 N ● CERAFLOUR 929 N ● AQUACER 513 ○ AQUAMAT 272 N ○

● 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 contains functional groups

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



Wood and furniture coatings/decorative film systems (3/4)

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-052 N ● BYK-1788 ●	Silicone-free: BYK-012 ● BYK-1710 ○ BYK-1711 ○		Silicone-free: BYK-1788 ● BYK-1790 ● BYK-1791 ● BYK-1794 ●	Silicone-free: BYK-052 N ● BYK-1788 ●		Silicone-free: BYK-1788 ● BYK-1790 ● BYK-1791 ● BYK-1794 ●
Matting	CERAFLOUR 920 ● CERAFLOUR 929 N ● CERAFLOUR 988 ● CERAFLOUR 994 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● CERAFLOUR 1002 ●	CERAFLOUR 920 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● CERAFLOUR 1002 ● AQUAMAT 208 ○ AQUAMAT 272 N ○ CERAFLOUR 927 N ○ CERAFLOUR 929 N ○	CERAFLOUR 920 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● CERAFLOUR 1002 ● AQUAMAT 208 ○ AQUAMAT 272 N ○ CERAFLOUR 927 N ○ CERAFLOUR 929 N ○	CERAFLOUR 920 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● CERAFLOUR 1002 ● CERAFLOUR 929 N ○ CERAFLOUR 950 ○ CERAFLOUR 988 ○	CERAFLOUR 920 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● CERAFLOUR 929 N ○ CERAFLOUR 988 ○	CERAFLOUR 920 ● CERAFLOUR 927 N ● CERAFLOUR 929 N ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● AQUAMAT 208 ○ AQUAMAT 272 N ○	CERAFLOUR 920 ● CERAFLOUR 929 N ● CERAFLOUR 950 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ●
	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*4 ● BYK-UV 3505*4 ● BYK-378*1 ○ BYK-3764 ○	Silicone: BYK-323 ● BYK-378*1 ● BYK-3764 ● BYK-3760 ○	Silicone: BYK-333 ● BYK-378*1 ● BYK-3764 ●

● 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 contains functional groups

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



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

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
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 ○				
Texture	Structure: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ● Soft-feel effect: CERAFLOUR 988 ● CERAFLOUR 994 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● CERAFLOUR 1002 ● CERAFLOUR 996 R ○	Structure: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ● Soft-feel effect: CERAFLOUR 994 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● AQUAMAT 208 ○	Structure: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ● Soft-feel effect: CERAFLOUR 994 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ● AQUAMAT 208 ○	Structure: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ● Soft-feel effect: CERAFLOUR 994 ● CERAFLOUR 999 ● CERAFLOUR 1000 ● CERAFLOUR 1001 ●	Structure: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ●	Structure: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ●	Structure: CERAFLOUR 913 ● CERAFLOUR 914 ● CERAFLOUR 915 ● CERAFLOUR 916 ● CERAFLOUR 917 ●

● 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

BYK-Chemie GmbH
P.O. Box 10 02 45
46462 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

ADD-MAX®, ADD-VANCE®, ADJUST®, ADVITROL®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFLOUR®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERAL COLLOID®, MINERPOL®, NANOBYK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL®, VISCOBYK® and Y 25® are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions.

