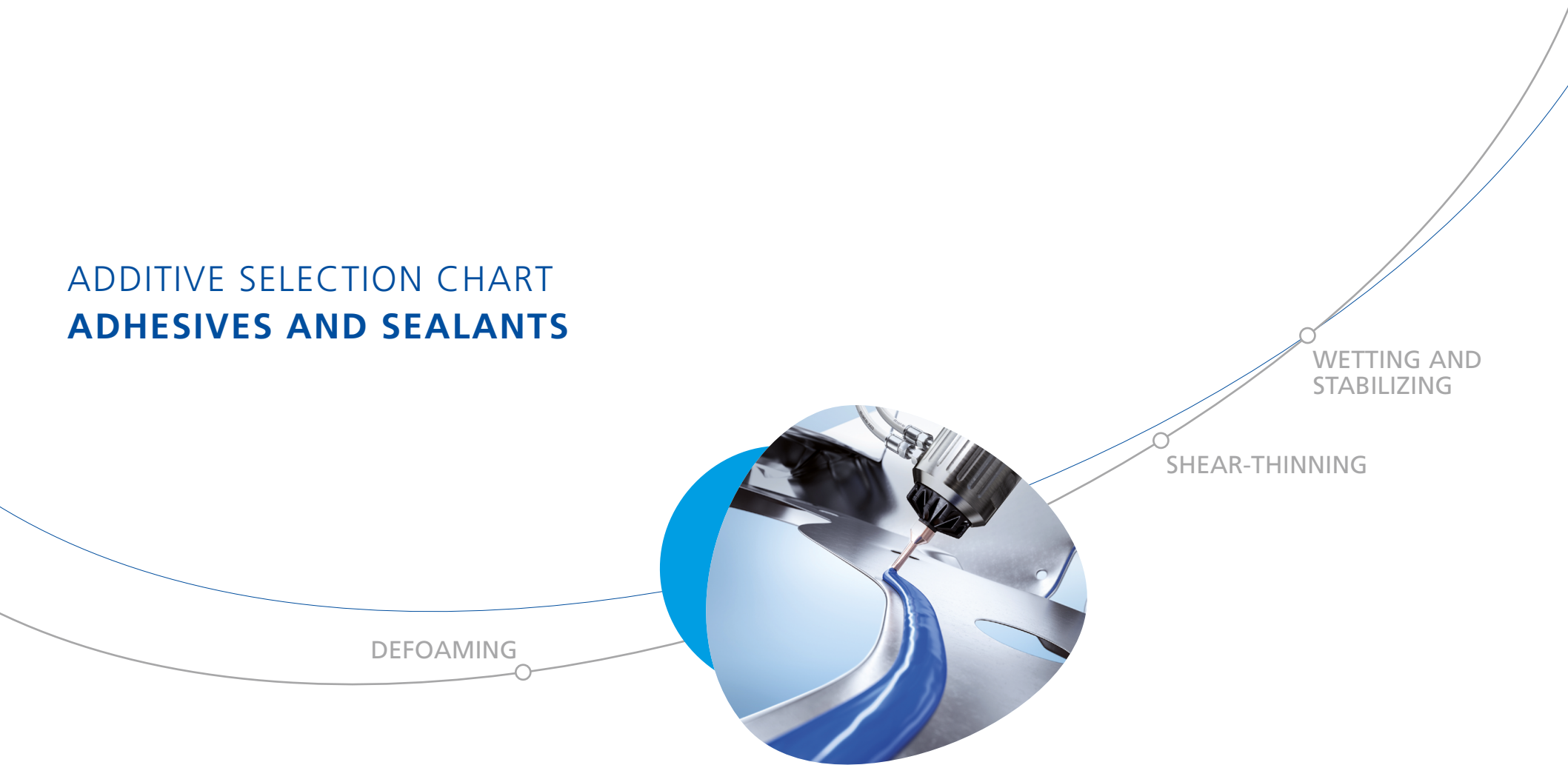


ADDITIVE SELECTION CHART ADHESIVES AND SEALANTS





Adhesives and sealants (1/3)

Application	Reactive systems					Aqueous systems			Hotmelts
	Polyurethanes	Epoxies, one-pack	Epoxies, two-pack	Acrylates	Silane-terminated polymers	Acrylates	VAE	Polyurethanes	
Defoaming	Silicone: BYK-1796*1 ● BYK-088 ○	Silicone: BYK-1796*1 ● BYK-A 525 ○ BYK-A 530 ○	Silicone: BYK-1796*1 ● BYK-A 525 ○ BYK-A 530 ○		Silicone: BYK-1796*1 ● BYK-1799*1 ○	Silicone: BYK-093 ● BYK-094 ● BYK-1641*2 ● BYK-017 ○ BYK-022 ○ BYK-044 ○ BYK-1611 ○ BYK-1650 ○ BYK-1719 ○	Silicone: BYK-022 ● BYK-093 ● BYK-1641*2 ○ BYK-1650 ○ BYK-1724 ○ BYK-1786 ○	Silicone: BYK-022 ● BYK-094 ● BYK-093 ○ BYK-1641*2 ○ BYK-1786 ○	Silicone: BYK-070 ○
	Silicone-free: BYK-1794*1 ● BYK-1795*1 ● BYK-A 535*1 ●	Silicone-free: BYK-A 501 ● BYK-A 535*1 ● BYK-1765*1 ○ BYK-1790*1 ○ BYK-A 550 ○	Silicone-free: BYK-A 501 ● BYK-A 535*1 ● BYK-1765*1 ○ BYK-1790*1 ○ BYK-A 550 ○	Silicone-free: BYK-1795*1 ● BYK-A 535*1 ●	Silicone-free: BYK-A 535*1 ○	Silicone-free: BYK-1640 ● BYK-1740 ● BYK-012 ○ BYK-014 ○ BYK-016 ○ BYK-1745 ○	Silicone-free: BYK-014 ● BYK-1640 ● BYK-1745 ●	Silicone-free: BYK-014 ● BYK-1640 ○	Silicone-free: BYK-1691 SD*1 ● BYK-1794*1 ● BYK-A 505 ○
Substrate wetting	Silicone: BYK-333*1 ● BYK-378*1 ● BYK-307*1 ○	Silicone: BYK-333*1 ● BYK-378*1 ● BYK-307*1 ○ BYK-310 ○	Silicone: BYK-333*1 ● BYK-378*1 ● BYK-307*1 ○ BYK-310 ○	Silicone: BYK-333*1 ● BYK-378*1 ● BYK-307*1 ○	Silicone: BYK-333*1 ● BYK-378*1 ● BYK-307*1 ○	Silicone: BYK-3400 ● BYK-3450 ● BYK-3451 ● BYK-3455 ● BYK-348 ○ BYK-349 ○	Silicone: BYK-3400 ● BYK-3450 ● BYK-3451 ● BYK-3455 ● BYK-348 ○ BYK-349 ○	Silicone: BYK-3400 ● BYK-348 ○ BYK-349 ○	
						Silicone-free: BYK-3410 ● BYK-DYNWET 800 ○	Silicone-free: BYK-3410 ● BYK-DYNWET 800 ○	Silicone-free: BYK-3410 ●	
Viscosity control technology			Breaker: BYK-P 2710 ●						
			Booster: BYK-P 2720 ●						

● First recommendation

○ Second recommendation

*1 High-solid additives

*2 Silicone-containing polymer defoamer



Adhesives and sealants (2/3)

Application	Reactive systems					Aqueous systems			Hotmelts
	Polyurethanes	Epoxies, one-pack	Epoxies, two-pack	Acrylates	Silane-terminated polymers	Acrylates	VAE	Polyurethanes	
Rheology additives for anti-settling	Urea thickeners: RHEOBYK-7410 ET ●	Urea thickeners: RHEOBYK-7410 ET ● RHEOBYK-D 410 ○	Urea thickeners: RHEOBYK-7410 ET ● RHEOBYK-D 410 ○	Urea thickeners: RHEOBYK-7410 ET ●		Low-shear thickeners: RHEOBYK-H 3300 VF ● RHEOBYK-7600 ○ RHEOBYK-H 7500 VF ○	Low-shear thickeners: RHEOBYK-H 3300 VF ●	Low-shear thickeners: RHEOBYK-H 3300 VF ●	
	Mixed mineral clay: GARAMITE-1958 ○	Mixed mineral clay: GARAMITE-1958 ○ GARAMITE-7305 ○	Mixed mineral clay: GARAMITE-1958 ○ GARAMITE-7305 ○	Mixed mineral clay: GARAMITE-1958 ● GARAMITE-7305 ●	Mixed mineral clay: GARAMITE-7303 ○	Acrylate thickeners: RHEOBYK-HV 80 ●	Acrylate thickeners: RHEOBYK-HV 80 ●	Acrylate thickeners: RHEOBYK-HV 80 ●	
Rheology additives for sag resistance	Phyllosilicates: CLAYTONE-40 ○	Phyllosilicates: CLAYTONE-40 ○	Phyllosilicates: CLAYTONE-40 ○	Phyllosilicates: CLAYTONE-40 ●		Phyllosilicates: BYK-AQUAGEL 7100 ● OPTIGEL-WX ● LAPONITE-SL 25 ○	Phyllosilicates: BYK-AQUAGEL 7100 ● OPTIGEL-WX ● OPTIGEL-WA ○	Phyllosilicates: BYK-AQUAGEL 7100 ● OPTIGEL-WX ● OPTIGEL-WA ○	
		Polyamides: RHEOBYK-430 ○	Polyamides: RHEOBYK-430 ○		Castor oil derivatives: RHEOBYK-100 ○	Urea thickeners: RHEOBYK-7420 CA ○ RHEOBYK-7420 ET ○		Urea thickeners: RHEOBYK-7420 CA ○ RHEOBYK-7420 ET ○	
Rheology additives for sag resistance				In combination with fumed silica: RHEOBYK-7405 ● RHEOBYK-R 606 ● RHEOBYK-R 607 ● RHEOBYK-R 605 ○	In combination with fumed silica: RHEOBYK-R 606 ● RHEOBYK-R 607 ○				
	Mixed mineral clay: GARAMITE-1958 ● GARAMITE-7303 ●	Mixed mineral clay: GARAMITE-7305 ● GARAMITE-1958 ○	Mixed mineral clay: GARAMITE-7305 ● GARAMITE-1958 ○	Mixed mineral clay: GARAMITE-7305 ●	Mixed mineral clay: GARAMITE-7303 ○	Low-shear thickeners: RHEOBYK-7600 ● RHEOBYK-H 3300 VF ● RHEOBYK-H 7500 VF ● RHEOBYK-7650 ○ RHEOBYK-7670 ○	Low-shear thickeners: RHEOBYK-7600 ● RHEOBYK-H 7500 VF ● RHEOBYK-7650 ○ RHEOBYK-7670 ○ RHEOBYK-H 3300 VF ○	Low-shear thickeners: RHEOBYK-7600 ● RHEOBYK-H 7500 VF ● RHEOBYK-7650 ○ RHEOBYK-7670 ○ RHEOBYK-H 3300 VF ○	
	Phyllosilicates: CLAYTONE-40 ○	Phyllosilicates: CLAYTONE-40 ○	Phyllosilicates: CLAYTONE-40 ○	Phyllosilicates: CLAYTONE-40 ○		Acrylate thickeners: RHEOBYK-HV 80 ●	Acrylate thickeners: RHEOBYK-HV 80 ●	Acrylate thickeners: RHEOBYK-HV 80 ●	
	Polyamides: RHEOBYK-430 ○			Polyamides: RHEOBYK-430 ● RHEOBYK-431 ○		Phyllosilicates: BYK-AQUAGEL 7100 ● OPTIGEL-WA ● LAPONITE-SL 25 ○	Phyllosilicates: BYK-AQUAGEL 7100 ● OPTIGEL-WA ● OPTIGEL-WX ○	Phyllosilicates: BYK-AQUAGEL 7100 ● OPTIGEL-WA ● OPTIGEL-WX ○	
	Castor oil derivatives: RHEOBYK-100 ○ RHEOBYK-7590 ○	Castor oil derivatives: RHEOBYK-100 ○ RHEOBYK-7590 ○	Castor oil derivatives: RHEOBYK-100 ○ RHEOBYK-7590 ○		Castor oil derivatives: RHEOBYK-100 ○ RHEOBYK-7590 ○	Urea thickeners: RHEOBYK-425 ○		Urea thickeners: RHEOBYK-425 ○ RHEOBYK-7420 CA ○ RHEOBYK-7420 ET ○	
			In combination with fumed silica: RHEOBYK-R 607 ●		In combination with fumed silica: RHEOBYK-R 606 ● RHEOBYK-R 607 ○	Mixed mineral clay: GARAMITE-1958 ○			

● First recommendation

○ Second recommendation

*1 High-solid additives

*2 Silicone-containing polymer defoamer



Adhesives and sealants (3/3)

Application	Reactive systems					Aqueous systems			Hotmelts
	Polyurethanes	Epoxies, one-pack	Epoxies, two-pack	Acrylates	Silane-terminated polymers	Acrylates	VAE	Polyurethanes	
Rheology additives for anti-spattering (application control)						High-shear thickeners: RHEOBYK-T 1000 VF ● RHEOBYK-T 1010 VF ● RHEOBYK-7690 ○ RHEOBYK-L 1400 VF ○	High-shear thickeners: RHEOBYK-T 1000 VF ● RHEOBYK-T 1010 VF ● RHEOBYK-7690 ○ RHEOBYK-L 1400 VF ○	High-shear thickeners: RHEOBYK-T 1000 VF ● RHEOBYK-T 1010 VF ● RHEOBYK-7690 ○ RHEOBYK-L 1400 VF ○	
						In combination with low-shear thickeners, such as: RHEOBYK-H 3300 VF ● RHEOBYK-7650 ○ RHEOBYK-7670 ○	In combination with low-shear thickeners, such as: RHEOBYK-H 3300 VF ● RHEOBYK-7650 ○ RHEOBYK-7670 ○	In combination with low-shear thickeners, such as: RHEOBYK-H 3300 VF ● RHEOBYK-7650 ○ RHEOBYK-7670 ○	
Wetting and dispersing additives for viscosity reduction	BYK-W 969 ● BYK-W 985 ● BYK-W 9010*1 ● BYK-9076*1 ○ DISPERBYK-118 ○ DISPERBYK-2152*1 ○	BYK-W 996 ● BYK-W 9010*1 ● BYK-W 9011*1 ○ DISPERBYK-2152*1 ○	BYK-W 969 ● BYK-W 996 ● BYK-W 9010*1 ● BYK-W 9011*1 ○ DISPERBYK-118 ○ DISPERBYK-2152*1 ○	BYK-W 969 ●	DISPERBYK-2157*1 ● DISPERPLAST-1142*1 ● DISPERPLAST-1148 ● BYK-9076*1 ○ DISPERBYK-2152*1 ○ DISPERBYK-2155*1 ○ DISPERPLAST-I ○	Inorganic fillers and pigments: BYK-154 ● DISPERBYK-190 ● DISPERBYK-199 ● DISPERBYK-2080 ● DISPERBYK-2015 ○	Inorganic fillers and pigments: BYK-154 ● DISPERBYK-190 ● DISPERBYK-199 ● DISPERBYK-2080 ● DISPERBYK-2015 ○	Inorganic fillers and pigments: BYK-154 ● DISPERBYK-190 ● DISPERBYK-199 ● DISPERBYK-2080 ● DISPERBYK-2015 ○	
						Organic pigments/ carbon black: DISPERBYK-191*1 ● DISPERBYK-2015 ○	Organic pigments/ carbon black: DISPERBYK-191*1 ● DISPERBYK-2015 ○	Organic pigments/ carbon black: DISPERBYK-191*1 ● DISPERBYK-2015 ○	
Wetting and dispersing additives for viscosity reduction and anti-settling	BYK-P 105*1 ● BYK-W 980 ● BYK-W 961 ○ BYK-W 966 ○	BYK-W 940 ● BYK-W 966 ○	BYK-W 940 ● BYK-W 980 ● BYK-W 966 ○	BYK-P 105*1 ● BYK-W 980 ● BYK-W 940 ○ BYK-W 966 ○		ANTI-TERRA-250 ●	ANTI-TERRA-250 ●	ANTI-TERRA-250 ●	
Extending opentime						BYKETOL-PC ●	BYKETOL-PC ●	BYKETOL-PC ●	
Compatibilizer	BYK-P 9908 ● BYK-P 9909 ●								
Moisture scavenger	BYK-2616 ●				BYK-2616 ●				BYK-2616 ●
Anti-blocking									AQUACER 531 ● HORDAMER PE 02 ●
Adhesion promotion	BYK-4511 ● BYK-4509 ○ BYK-4510 ○		BYK-4511 ● BYK-4510 ○ BYK-4512 ○	BYK-C 8000 ● BYK-C 8002 ○		AQUACER 1031 ● AQUACER 1040 ● HORDAMER PE 02 ● AQUACER 527 ○ AQUACER 1063 ○	AQUACER 1031 ● AQUACER 1040 ● HORDAMER PE 02 ● AQUACER 527 ○ AQUACER 1063 ○		For further information please contact adhesives.byk@altana.com

● First recommendation

○ Second recommendation

*1 High-solid additives

*2 Silicone-containing polymer defoamer



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