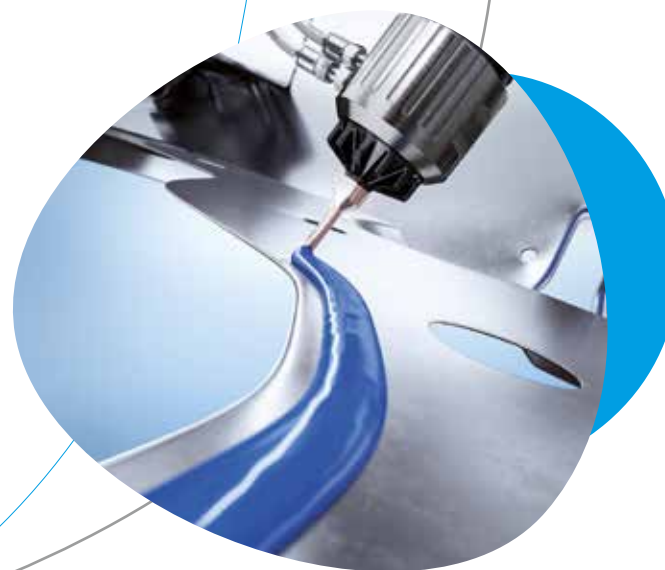


ADDITIVE SELECTION CHART ADHESIVES AND SEALANTS

WETTING AND
STABILIZING



DEFOAMING

SHEARTHINNING

Adhesives and Sealants (1/3)

Application	Reactive systems					Aqueous systems			Hotmelts
	Polyurethane	Epoxy, one-pack	Epoxy, two-pack	Acrylate	Silane terminated polymers	Acrylate	VAE	Polyurethane	
Defoaming	Silicone: BYK-1796* ● BYK-088 ○	Silicone: BYK-1796* ● BYK-A 525 ○ BYK-A 530 ○	Silicone: BYK-1796* ● BYK-A 525 ○ BYK-A 530 ○		Silicone: BYK-1796* ● BYK-1799* ○	Silicone: BYK-093 ● BYK-094 ● BYK-017 ○ BYK-022 ○ BYK-044 ○ BYK-1611 ○ BYK-1650 ○ BYK-1719 ○	Silicone: BYK-022 ● BYK-093 ● BYK-1650 ○ BYK-1724 ○ BYK-1786 ○	Silicone: BYK-022 ● BYK-094 ● BYK-093 ○ BYK-1786 ○	Silicone: BYK-070 ○
	Silicone-free: BYK-1794* ● BYK-1795* ● BYK-A 535* ●	Silicone-free: BYK-A 501 ● BYK-A 535* ● BYK-1790* ○ BYK-A 550 ○	Silicone-free: BYK-A 501 ● BYK-A 535* ● BYK-1790* ○ BYK-A 550 ○	Silicone-free: BYK-1795* ● BYK-A 515 ○	Silicone-free: BYK-A 535* ○	Silicone-free: BYK-1640 ● BYK-1740 ● BYK-012 ○ BYK-014 ○ BYK-016 ○	Silicone-free: BYK-014 ● BYK-1640 ●	Silicone-free: BYK-014 ● BYK-1640 ○	Silicone-free: BYK-1691 SD* ● BYK-1794* ● BYK-A 505 ○
Substrate wetting	Silicone: BYK-333* ● BYK-378* ● BYK-307* ○	Silicone: BYK-333* ● BYK-378* ● BYK-307* ○ BYK-310 ○	Silicone: BYK-333* ● BYK-378* ● BYK-307* ○ BYK-310 ○	Silicone: BYK-333* ● BYK-378* ● BYK-307* ○	Silicone: BYK-333* ● BYK-378* ● BYK-307* ○	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 ●	

● First recommendation ○ Second recommendation * High-solid additives

Adhesives and Sealants (2/3)

Application	Reactive systems					Aqueous systems			Hotmelts
	Polyurethane	Epoxy, one-pack	Epoxy, two-pack	Acrylate	Silane terminated polymers	Acrylate	VAE	Polyurethane	
Rheology additives for anti-settling	RHEOBYK-7410 ET ● CLAYTONE-40 ○ GARAMITE-1958 ○	RHEOBYK-7410 ET ● CLAYTONE-40 ○ GARAMITE-1958 ○ GARAMITE-7305 ○ RHEOBYK-430 ○ RHEOBYK-D 410 ○	RHEOBYK-7410 ET ● CLAYTONE-40 ○ GARAMITE-1958 ○ GARAMITE-7305 ○ RHEOBYK-430 ○ RHEOBYK-D 410 ○	CLAYTONE-40 ● GARAMITE-1958 ● GARAMITE-7305 ● RHEOBYK-7410 ET ● In combination with fumed silica: RHEOBYK-7405 ● RHEOBYK-R 605 ● RHEOBYK-R 606 ●	Mixed mineral clay: GARAMITE-7303 ○ Castor oil derivative: RHEOBYK-100 ○ In combination with fumed silica: RHEOBYK-R 606 ● RHEOBYK-R 607 ○	Low shear thickener: RHEOBYK-H 3300 VF ● RHEOBYK-7600 ○ RHEOBYK-H 7500 VF ○ Acrylate thickener: RHEOBYK-HV 80 ● Hydroclay: OPTIGEL-WX ● LAPONITE-SL 25 ○ Urea thickener: RHEOBYK-7420 CA ○ RHEOBYK-7420 ET ○	Low shear thickener: RHEOBYK-H 3300 VF ● Acrylate thickener: RHEOBYK-HV 80 ● Hydroclay: OPTIGEL-WX ● OPTIGEL-WA ○	Low shear thickener: RHEOBYK-H 3300 VF ● Acrylate thickener: RHEOBYK-HV 80 ● Hydroclay: OPTIGEL-WX ● OPTIGEL-WA ○ Urea thickener: RHEOBYK-7420 CA ○ RHEOBYK-7420 ET ○	
Rheology additives for sag resistance	GARAMITE-1958 ● GARAMITE-7303 ● CLAYTONE-40 ○ RHEOBYK-430 ○	GARAMITE-7305 ● CLAYTONE-40 ○ GARAMITE-1958 ○	GARAMITE-7305 ● CLAYTONE-40 ○ GARAMITE-1958 ○	GARAMITE-7305 ● RHEOBYK-430 ● CLAYTONE-40 ○ RHEOBYK-431 ○	Amide waxes: RHEOBYK-7502 ● RHEOBYK-7503 ● Mixed mineral clay: GARAMITE-7303 ○ Castor oil derivative: RHEOBYK-100 ○ RHEOBYK-7590 ○ In combination with fumed silica: RHEOBYK-R 606 ● RHEOBYK-R 607 ○	Low shear thickener: RHEOBYK-7600 ● RHEOBYK-7610 ● RHEOBYK-H 3300 VF ● RHEOBYK-H 7500 VF ● Acrylate thickener: RHEOBYK-HV 80 ● Hydroclay: OPTIGEL-WA ● LAPONITE-SL 25 ○ Urea thickener: RHEOBYK-425 ○ Mixed mineral clay: GARAMITE-1958 ○	Low shear thickener: RHEOBYK-7600 ● RHEOBYK-H 7500 VF ● RHEOBYK-H 3300 VF ○ Acrylate thickener: RHEOBYK-HV 80 ● Hydroclay: OPTIGEL-WA ● OPTIGEL-WX ○	Low shear thickener: RHEOBYK-7600 ● RHEOBYK-H 7500 VF ● RHEOBYK-H 3300 VF ○ Acrylate thickener: RHEOBYK-HV 80 ● Hydroclay: OPTIGEL-WA ● OPTIGEL-WX ○ Urea thickener: RHEOBYK-425 ○ RHEOBYK-7420 CA ○ RHEOBYK-7420 ET ○	
Viscosity control technology			Breaker: BYK-P 2710 ● Booster: BYK-P 2720 ●						

● First recommendation

○ Second recommendation

* High-solid additives

Adhesives and Sealants (3/3)

Application	Reactive systems					Aqueous systems			Hotmelts
	Polyurethane	Epoxy, one-pack	Epoxy, two-pack	Acrylate	Silane terminated polymers	Acrylate	VAE	Polyurethane	
Rheology additives for anti-splattering (application control)						High shear thickener: RHEOBYK-T 1000 VF ● RHEOBYK-T 1010 VF ● RHEOBYK-L 1400 VF ○	High shear thickener: RHEOBYK-T 1000 VF ● RHEOBYK-T 1010 VF ● RHEOBYK-L 1400 VF ○	High shear thickener: RHEOBYK-T 1000 VF ● RHEOBYK-T 1010 VF ● RHEOBYK-L 1400 VF ○	
						In combination with low shear thickener: RHEOBYK-H 3300 VF ●	In combination with low shear thickener: RHEOBYK-H 3300 VF ●	In combination with low shear thickener: RHEOBYK-H 3300 VF ●	
Wetting and dispersing additives for viscosity reduction	BYK-W 969 ● BYK-W 985 ● BYK-W 9010* ● BYK-9076* ○ DISPERBYK-118 ○ DISPERBYK-2152* ○	BYK-W 996 ● BYK-W 9010* ● BYK-W 9011* ○ DISPERBYK-2152* ○	BYK-W 969 ● BYK-W 996 ● BYK-W 9010* ● BYK-W 9011* ○ DISPERBYK-118 ○ DISPERBYK-2152* ○	BYK-W 969 ●	DISPERBYK-2157* ● DISPERPLAST-1142* ● DISPERPLAST-1148 ● BYK-9076* ○ DISPERBYK-2152* ○ DISPERBYK-2155* ○ DISPERPLAST-I ○	Inorganic fillers and pigments: BYK-154 ● DISPERBYK-190 ● DISPERBYK-199 ● DISPERBYK-2080 ● DISPERBYK-2015 ○ Organic pigments/ carbon black: DISPERBYK-191* ● DISPERBYK-2015 ○	Inorganic fillers and pigments: BYK-154 ● DISPERBYK-190 ● DISPERBYK-199 ● DISPERBYK-2080 ● DISPERBYK-2015 ○ Organic pigments/ carbon black: DISPERBYK-191* ● DISPERBYK-2015 ○	Inorganic fillers and pigments: BYK-154 ● DISPERBYK-190 ● DISPERBYK-199 ● DISPERBYK-2080 ● DISPERBYK-2015 ○ Organic pigments/ carbon black: DISPERBYK-191* ● DISPERBYK-2015 ○	
Wetting and dispersing additives for viscosity reduction and anti-settling	BYK-P 105* ● 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* ● BYK-W 980 ● BYK-W 940 ○ BYK-W 966 ○		Inorganic fillers and pigments: ANTI-TERRA-250 ●	Inorganic fillers and pigments: ANTI-TERRA-250 ●	Inorganic fillers and pigments: 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

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