BYK

ADDITIVE SELECTION CHART
AQUEOUS INDUSTRIAL COATINGS

DEFOAMING

SUBSTRATE WETTING

ANTI-FLOATING

A member of ALTANA

Aqueous industrial coatings (1/3)

Application	Emulsion systems alkyd/acrylic/polyurethane	Water reducible systems acrylic/alkyd/polyester	2-pack polyurethanes	2-pack epoxies	UV-curing systems
Pigment stabilization, anti-flood, anti-float	**Primer surfacers**				
	Grind with resin: ANTI-TERRA-250 DISPERBYK-2080	Grind with resin: ANTI-TERRA-250 DISPERBYK-180 DISPERBYK-2080	Grind with resin: ANTI-TERRA-250 DISPERBYK-180 DISPERBYK-2080	Grind with resin: DISPERBYK-199 BF*1	
	Resin-free grind: DISPERBYK-199 BF*1 DISPERBYK-2010	Resin-free grind: DISPERBYK-2010	Resin-free grind: DISPERBYK-2010 DISPERBYK-2018 DISPERBYK-2019	Resin-free grind: DISPERBYK-2010	
	Topcoats				
	Grind with resin: DISPERBYK-2012 DISPERBYK-2018 DISPERBYK-2019 DISPERBYK-2055	Grind with resin: DISPERBYK-180*2 DISPERBYK-2012 DISPERBYK-2055	Grind with resin: DISPERBYK-180*2 DISPERBYK-2012 DISPERBYK-2019	Grind with resin: DISPERBYK-194 N DISPERBYK-2012 DISPERBYK-2019	Grind with resin: DISPERBYK-180*2 DISPERBYK-2012
	Resin-free grind: DISPERBYK-190 BF*1 DISPERBYK-191 DISPERBYK-2010 DISPERBYK-2012 DISPERBYK-2018	Resin-free grind: DISPERBYK-190 BF*1 DISPERBYK-2010 DISPERBYK-2012	Resin-free grind: DISPERBYK-190 BF*1 DISPERBYK-2010 DISPERBYK-2012 DISPERBYK-2018		Resin-free grind: DISPERBYK-190 BF*1 DISPERBYK-2010 DISPERBYK-2012
	Effect pigments				
	Resin-free slurries: DISPERBYK-180 DISPERBYK-192 DISPERBYK-2060	Resin-free slurries: DISPERBYK-180 DISPERBYK-192 DISPERBYK-2060	Resin-free slurries: DISPERBYK-180 DISPERBYK-192 DISPERBYK-2060		Resin-free slurries: DISPERBYK-180 DISPERBYK-192
Rheology modifier, anti-sagging, anti-settling	OPTIGEL-WM OPTIGEL-WX RHEOBYK-7650 RHEOBYK-7670 RHEOBYK-7690 RHEOBYK-D 420 RHEOBYK-H 7625 VF RHEOBYK-L 1400 VF	OPTIGEL-WM OPTIGEL-WX RHEOBYK-D 420	OPTIGEL-WM OPTIGEL-WX RHEOBYK-7610 RHEOBYK-7650 RHEOBYK-7670 RHEOBYK-7690 RHEOBYK-D 420 RHEOBYK-H 7625 VF RHEOBYK-L 1400 VF	OPTIGEL-WM OPTIGEL-WX RHEOBYK-440 RHEOBYK-D 420	RHEOBYK-7650 RHEOBYK-7670 RHEOBYK-7690 RHEOBYK-D 420 RHEOBYK-H 7625 VF RHEOBYK-L 1400 VF
Orientation of effect pigments	AQUATIX 8421 LAPONITE-RD	AQUATIX 8421	AQUATIX 8421 LAPONITE-RD		

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

*1 Biocide-free version: Future-oriented variant of the original product. Originals are still available. *2 Only for inorganic pigments *3 For baking systems

Aqueous industrial coatings (2/3)

Application	Emulsion systems alkyd/acrylic/polyurethane	Water reducible systems acrylic/alkyd/polyester	2-pack polyurethanes	2-pack epoxies	UV-curing systems
Leveling	Silicone: BYK-3480 BYK-3565 Silicone-free: BYK-381 BYK-3560	Silicone: BYK-3480 BYK-3565 Silicone-free: BYK-381 BYK-3560	Silicone: BYK-3480 BYK-3565 Silicone-free: BYK-381 BYK-3560	Silicone: BYK-3480 BYK-3565 Silicone-free: BYK-381 BYK-3560	Silicone: BYK-3480 BYK-3565 Silicone-free: BYK-381 BYK-3560
Substrate wetting < 10 % co-solvent content	Silicone: BYK-346 BYK-348 BYK-349 BYK-3451 BYK-3480	Silicone: BYK-346 BYK-348 BYK-349 BYK-3451 BYK-3480	Silicone: BYK-346 BYK-348 BYK-349 BYK-3451 BYK-3480	Silicone: BYK-346 BYK-348 BYK-349 BYK-3451 BYK-3480	Silicone: BYK-348 BYK-349 BYK-3451 BYK-3455 BYK-3480
Substrate wetting > 10 % co-solvent content	Silicone: BYK-333 BYK-3480 BYK-3760 BYK-3762 BYK-3764	Silicone: BYK-333 BYK-3480 BYK-3760 BYK-3762	Silicone: BYK-333 BYK-3480 BYK-3762 BYK-3764	Silicone: BYK-333 BYK-3480 BYK-3762 BYK-3764	Silicone: BYK-333 BYK-3480 BYK-3762 BYK-3764
Surface slip	Silicone: BYK-333 BYK-3760 BYK-3762 BYK-3764	Silicone: BYK-333 BYK-3760 BYK-3762 BYK-3764	Silicone: BYK-333 BYK-3760 BYK-3762 BYK-3764	Silicone: BYK-333 BYK-3760 BYK-3762 BYK-3764	Silicone: BYK-333 BYK-3760 BYK-3762 BYK-3764
Defoaming	Silicone: BYK-022 BYK-024 BYK-092 BYK-093 BYK-1786 Silicone-free: BYK-011 BYK-014 BYK-1640 BYK-1710 BYK-1711	Silicone: BYK-022 BYK-092 BYK-1786 Silicone-free: BYK-011 BYK-014 BYK-015 BYK-1710	Silicone: BYK-024 BYK-092 BYK-093 BYK-1786 Silicone-free: BYK-011 BYK-014 BYK-015 BYK-1640 BYK-1710	Silicone: BYK-022 BYK-024 BYK-092 Silicone-free: BYK-011 BYK-014 BYK-1640 BYK-1710 BYK-1711 Mineral oil: BYK-037 BYK-1632	Silicone: BYK-024 BYK-093 BYK-1786 Silicone-free: BYK-011 BYK-014 BYK-1710

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Aqueous industrial coatings (3/3)

Application	Emulsion systems alkyd/acrylic/polyurethane	Water reducible systems acrylic/alkyd/polyester	2-pack polyurethanes	2-pack epoxies	UV-curing systems
Scratch resistance	AQUACER 539 CERAFLOUR 929 N	CERAFLOUR 929 N	AQUACER 507 AQUACER 531 AQUACER 539 AQUAMAT 272 N CERAFLOUR 929 N		AQUACER 507 AQUACER 531 AQUAMAT 272 N
Anti-popping		BYKETOL-AQ BYKETOL-WB	BYKETOL-AQ BYKETOL-WB		
Matting	AQUAMAT 208 AQUAMAT 272 N CERAFLOUR 927 N CERAFLOUR 929 N CERAFLOUR 1010	AQUAMAT 208 AQUAMAT 272 N CERAFLOUR 927 N CERAFLOUR 929 N CERAFLOUR 1010	CERAFLOUR 927 N CERAFLOUR 929 N In combination with matting agent: CERAFLOUR 950		AQUAMAT 272 N CERAFLOUR 929 N CERAFLOUR 1000 CERAFLOUR 1010
Texture	CERAFLOUR 913 CERAFLOUR 914 CERAFLOUR 915 CERAFLOUR 916 CERAFLOUR 917	CERAFLOUR 913 CERAFLOUR 914 CERAFLOUR 915 CERAFLOUR 916 CERAFLOUR 917	CERAFLOUR 913 CERAFLOUR 914 CERAFLOUR 915 CERAFLOUR 916 CERAFLOUR 917	CERAFLOUR 913 CERAFLOUR 914 CERAFLOUR 915 CERAFLOUR 916 CERAFLOUR 917	CERAFLOUR 913 CERAFLOUR 914 CERAFLOUR 915 CERAFLOUR 916 CERAFLOUR 917
Soft-feel effect	AQUAMAT 272 N CERAFLOUR 913 CERAFLOUR 929 N CERAFLOUR 1010	AQUAMAT 272 N CERAFLOUR 913 CERAFLOUR 929 N CERAFLOUR 1010	AQUAMAT 272 N CERAFLOUR 913 CERAFLOUR 929 N		AQUAMAT 272 N CERAFLOUR 913 CERAFLOUR 929 N CERAFLOUR 1000 CERAFLOUR 1010
Adhesion promoter for metal	BYK-4509*[3]	BYK-4509*[3]	BYK-4509 BYK-4512	BYK-4513	

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Pigment concentrates

Pigment stabilization, anti-flood, anti-float	Rheology modifier, anti-settling	Defoaming
Grind with resin: DISPERBYK-2012 DISPERBYK-2055 Resin-free grind: DISPERBYK-190 BF*[4] DISPERBYK-191 DISPERBYK-2010 DISPERBYK-2012 DISPERBYK-2018 DISPERBYK-2019	OPTIGEL-WM OPTIGEL-WX RHEOBYK-D 420	Silicone: BYK-021 BYK-024 BYK-1786 Silicone-free: BYK-012 BYK-014 BYK-1640

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

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

Electrodeposition coatings

Pigment stabilization, gloss, anti-flood, anti-float	Leveling	Anti-cratering, oil robustness	Substrate wetting	Defoaming	Increase of surface energy	Adhesion
BYK-DYNWET 800 DISPERBYK-109 DISPERBYK-111 DISPERBYK-192 DISPERBYK-2117	BYK-DYNWET 800	BYK-326 BYK-327 BYK-3540	BYK-347 BYK-349 BYK-3455	BYK-011 BYK-012 BYK-014 BYK-1740	Silicone: BYK-3565 BYK-3566 Silicone-free: BYK-3560	BYK-3560 BYK-4513*[5]

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

*[5] Please pre-neutralize before use.

For more products for electrodeposition coatings, please contact **ecoat.byk@altana.com**

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