

# ADDITIVE SELECTION CHART ARCHITECTURAL COATINGS



DEFOAMING

WETTING AND STABILIZING

FLOWABLE



## Aqueous architectural coatings (1/2)

Application	Alkyd emulsion	PU dispersion	Emulsion paint PVC < 30 %	Emulsion paint PVC 30–60 %	Emulsion paint PVC > 60 %	Plasters	Silicate paints
Defoaming/ air release	Mill base: BYK-022 BYK-093 BYK-1710	Mill base: BYK-093 BYK-1710 BYK-1781	Mill base: BYK-021 BYK-092 BYK-1781	Mill base: BYK-012 BYK-092 BYK-1630	Mill base: BYK-1630 BYK-1640 BYK-1641	Mill base: BYK-044 BYK-1630 BYK-1640	Mill base: BYK-012 BYK-1630 BYK-1640
	Let-down: BYK-1710 BYK-1724	Let-down: BYK-1724 BYK-1786	Let-down: BYK-092 BYK-1724 BYK-1786	Let-down: BYK-022 BYK-1724 BYK-1785	Let-down: BYK-1617 BYK-1641 BYK-1723	Let-down: BYK-014 BYK-1640 BYK-1650	Let-down: BYK-1640 BYK-1740 BYK-1786
Pigment wetting/ pigment stabilization	DISPERBYK-199 BF* <sup>1</sup> DISPERBYK-2015 BF* <sup>1</sup> DISPERBYK-2018	DISPERBYK-190 BF* <sup>1</sup> DISPERBYK-2015 BF* <sup>1</sup> DISPERBYK-2080	DISPERBYK-190 BF* <sup>1</sup> DISPERBYK-2015 BF* <sup>1</sup> DISPERBYK-2080	DISPERBYK-190 BF* <sup>1</sup> DISPERBYK-199 BF* <sup>1</sup> DISPERBYK-2018	ANTI-TERRA-250 BYK-154 DISPERBYK-199 BF* <sup>1</sup>	BYK-154 DISPERBYK-187 DISPERBYK-199 BF* <sup>1</sup>	DISPERBYK-199 BF* <sup>1</sup> DISPERBYK-2018
Anti-sagging/ anti-settling	RHEOBYK-7420 CA RHEOBYK-7420 ET	LAPONITE-RDS RHEOBYK-7420 CA RHEOBYK-7420 ET	ANTI-TERRA-250 RHEOBYK-7420 CA RHEOBYK-7420 ET	ANTI-TERRA-250 RHEOBYK-7420 CA RHEOBYK-7420 ET	ANTI-TERRA-250 OPTIGEL-CK OPTIGEL-WX	LAPONITE-RD OPTIGEL-CK OPTIGEL-WX	LAPONITE-EP OPTIGEL-WX
Rheology/ flow behavior	Low-shear thickener: RHEOBYK-H 3300 VF RHEOBYK-H 7625 VF	Low-shear thickener: RHEOBYK-H 3300 VF RHEOBYK-H 7625 VF	Low-shear thickener: RHEOBYK-7600 RHEOBYK-7610 RHEOBYK-H 3300 VF	Low-shear thickener: RHEOBYK-7600 RHEOBYK-H 3300 VF RHEOBYK-H 6500 VF	Low-shear thickener: RHEOBYK-H 3300 VF RHEOBYK-H 6500 VF RHEOBYK-H 7500 VF	Low-shear thickener: RHEOBYK-H 3300 VF RHEOBYK-H 6500 VF	LAPONITE-EP OPTIGEL-WX
	Medium-shear thickener: RHEOBYK-M 2600 VF	Medium-shear thickener: RHEOBYK-M 2600 VF	Medium-shear thickener: RHEOBYK-M 2600 VF	Medium-shear thickener: RHEOBYK-M 2600 VF	Medium-shear thickener: RHEOBYK-M 2600 VF	Medium-shear thickener: RHEOBYK-M 2600 VF	
	High-shear thickener: RHEOBYK-L 1400 VF RHEOBYK-T 1010 VF	High-shear thickener: RHEOBYK-T 1000 VF RHEOBYK-T 1010 VF	High-shear thickener: RHEOBYK-L 1400 VF RHEOBYK-T 1010 VF	High-shear thickener: RHEOBYK-L 1400 VF RHEOBYK-T 1010 VF	High-shear thickener: RHEOBYK-L 1400 VF RHEOBYK-T 1010 VF		
	Workability: LAPONITE-EP						

Unless otherwise stated, all silicone-containing additives have a cyclic siloxane content D4 of less than 0.01 % and D5 and D6 of less than 0.1 % each.

\*<sup>1</sup> Biocide-free version: Future-oriented variant of the original product. Originals are still available.



## Aqueous architectural coatings (2/2)

Application	Alkyd emulsion	PU dispersion	Emulsion paint PVC < 30 %	Emulsion paint PVC 30–60 %	Emulsion paint PVC > 60 %	Plasters	Silicate paints
Leveling	BYK-349 BYK-3760 BYK-3764	BYK-349 BYK-3451 BYK-3455	BYK-349 BYK-3451 BYK-3764	BYK-349 BYK-3451 BYK-3764			
Matting	AQUAMAT 272 N CERAFLOUR 927 N CERAFLOUR 1000	AQUAMAT 272 N CERAFLOUR 927 N CERAFLOUR 1000	AQUAMAT 208 AQUAMAT 272 N CERAFLOUR 927 N	AQUAMAT 208 AQUAMAT 272 N CERAFLOUR 927 N			
Water resistance	AQUACER 497 AQUACER 1013 AQUACER 1039	AQUACER 497 AQUACER 1013 AQUACER 1039	AQUACER 497 AQUACER 1039 BYK-3760	AQUACER 497 AQUACER 1039	AQUACER 561 AQUACER 1039	AQUACER 497 AQUACER 561 AQUACER 1039	
Scratch resistance	AQUACER 1039 BYK-3764 CERAFLOUR 927 N	AQUACER 1039 BYK-3764 CERAFLOUR 927 N	AQUACER 1039 BYK-3764 CERAFLOUR 927 N	AQUACER 1039 CERAFLOUR 927 N	AQUACER 1039 CERAFLOUR 927 N	AQUACER 1039 CERAFLOUR 927 N	AQUACER 1039 CERAFLOUR 927 N
Soft-feel effect	CERAFLOUR 950 CERAFLOUR 1000 CERAFLOUR 1001	CERAFLOUR 950 CERAFLOUR 1000 CERAFLOUR 1001	CERAFLOUR 950 CERAFLOUR 1000 CERAFLOUR 1001	CERAFLOUR 1000 CERAFLOUR 1002	CERAFLOUR 1000 CERAFLOUR 1002	CERAFLOUR 1002	CERAFLOUR 1002
Burnish resistance	CERAFLOUR 927 N CERAFLOUR 929 N CERAFLOUR 950	CERAFLOUR 927 N CERAFLOUR 929 N	CERAFLOUR 927 N CERAFLOUR 929 N	CERAFLOUR 927 N CERAFLOUR 929 N	CERAFLOUR 927 N	CERAFLOUR 927 N	CERAFLOUR 927 N
Scuff resistance	AQUACER 1013 BYK-3764 CERAFLOUR 950	AQUACER 1013 BYK-3764 CERAFLOUR 950	BYK-3764 CERAFLOUR 916 CERAFLOUR 927 N	AQUAMAT 208 BYK-3764 CERAFLOUR 916	AQUAMAT 208 CERAFLOUR 916 CERAFLOUR 927 N	AQUAMAT 208 CERAFLOUR 916	AQUAMAT 208 CERAFLOUR 916
Anti-blocking	AQUACER 497 AQUACER 1039 AQUAMAT 272 N	AQUACER 497 AQUACER 1039 AQUAMAT 272 N	AQUACER 497 AQUACER 1039 AQUAMAT 272 N	AQUACER 497 AQUACER 1039 AQUAMAT 272 N			

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## Solvent-borne architectural coatings

Application	Long oil alkyds	High-solid alkyds	Epoxies	Polyurethanes	Thermoplastic acrylics (TPA)
Defoaming/ air release	BYK-088 BYK-1752 BYK-1794	BYK-052 N BYK-1794	BYK-054 BYK-088 BYK-1794	BYK-054 BYK-141 BYK-1794	BYK-052 N BYK-1794
Pigment wetting/ pigment stabilization	ANTI-TERRA-U DISPERBYK-145 DISPERBYK-2155 TF*2	ANTI-TERRA-U 100 DISPERBYK-108 DISPERBYK-145	DISPERBYK-110 DISPERBYK-2152 TF*2 DISPERBYK-2155 TF*2	DISPERBYK-180 DISPERBYK-2155 TF*2 DISPERBYK-2163 TF*2	BYK-9076 DISPERBYK-145 DISPERBYK-2155 TF*2
Anti-sagging/ anti-settling	CLAYTONE-40 GARAMITE-7303 RHEOBYK-7411 CA	CLAYTONE-AF GARAMITE-7303 RHEOBYK-7411 CA	ANTI-TERRA-204 RHEOBYK-431 RHEOBYK-7410 CA	ANTI-TERRA-204 GARAMITE-7305 RHEOBYK-7410 ET	ANTI-TERRA-204 GARAMITE-7303 RHEOBYK-7411 CA
Rheology/ flow behavior	GARAMITE-7303 RHEOBYK-7411 CA	GARAMITE-7303 RHEOBYK-7411 CA	RHEOBYK-431 RHEOBYK-7410 CA	GARAMITE-7305 RHEOBYK-7410 CA RHEOBYK-7410 ET	GARAMITE-7303 RHEOBYK-7411 CA
Substrate wetting	BYK-3760 BYK-3762	BYK-3760 BYK-3764	BYK-3753 BYK-3764	BYK-3753 BYK-3761	BYK-320 BYK-3762
Leveling	BYK-3550 BYK-3760 BYK-3764	BYK-3550 BYK-3760 BYK-3764	BYK-320 BYK-354 BYK-392	BYK-354 BYK-392 BYK-3753	BYK-320 BYK-354 BYK-3753
Anti-blocking	BYK-3764 CERAFLOUR 996 R	BYK-3764 CERAFLOUR 996 R	BYK-3764 CERAFLOUR 996 R	BYK-3764 CERAFLOUR 996 R	BYK-3764 CERAFLOUR 996 R
Water resistance	CERAFAK 117 CERAFLOUR 996 R	CERAFAK 117 CERAFLOUR 996 R	CERAFLOUR 996 R	CERAFLOUR 996 R	CERAFLOUR 996 R
Scratch resistance	CERAFLOUR 996 R CERAFLOUR 998 R CERAFLOUR 1050	CERAFLOUR 991 CERAFLOUR 996 R CERAFLOUR 1050	CERAFLOUR 991 CERAFLOUR 996 R CERAFLOUR 1050	CERAFLOUR 996 R CERAFLOUR 1050 CERAMAT 258	CERAFLOUR 991 CERAFLOUR 996 R CERAFLOUR 1050
Matting	CERAFLOUR 970 CERAFLOUR 1000 CERAFLOUR 1002	CERAFLOUR 970 CERAFLOUR 1000 CERAFLOUR 1002	CERAFLOUR 970 CERAFLOUR 929 N CERAFLOUR 1000	CERAFLOUR 970 CERAFLOUR 1000 CERAFLOUR 1002	CERAFLOUR 970 CERAFLOUR 1000 CERAFLOUR 1002

Unless otherwise stated, all silicone-containing additives have a cyclic siloxane content D4 of less than 0.01 % and D5 and D6 of less than 0.1 % each.

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



## Resin-free pigment concentrates

Application	Aqueous slurries (titanium dioxide, fillers)	Aqueous pigment concentrates	Universal pigment concentrates
Defoaming/ air release	BYK-1640 BYK-1650 BYK-1724	BYK-044 BYK-1617 BYK-1640	BYK-044 BYK-1640 BYK-1719
Pigment wetting/ pigment stabilization	ANTI-TERRA-250 BYK-154 DISPERBYK-199 BF* <sup>3</sup>	<b>Inorganic:</b> ANTI-TERRA-250 DISPERBYK-199 BF* <sup>3</sup> DISPERBYK-2018  <b>Organic:</b> DISPERBYK-190 BF* <sup>3</sup> DISPERBYK-2015 BF* <sup>3</sup> DISPERBYK-2018	<b>Inorganic:</b> DISPERBYK-2060 DISPERBYK-2062  <b>Organic:</b> DISPERBYK-2061 DISPERBYK-2062
Anti-settling	OPTIGEL-CK OPTIGEL-WX	OPTIGEL-WX RHEOBYK-7420 CA RHEOBYK-7420 ET	OPTIGEL-CK OPTIGEL-WX

Unless otherwise stated, all silicone-containing additives have a cyclic siloxane content D4 of less than 0.01 % and D5 and D6 of less than 0.1 % each.

\*<sup>3</sup> Biocide-free version: Future-oriented variant of the original product. Originals are still available.

## Resin-containing pigment concentrates

Application	Solvent-borne pigment concentrates	Aqueous pigment concentrates
Defoaming/ air release	BYK-081	BYK-044 BYK-1617 BYK-1640
Pigment wetting/ pigment stabilization	<b>Inorganic/organic:</b> DISPERBYK-108 DISPERBYK-145 DISPERBYK-2155 TF* <sup>4</sup>  <b>In combination with a wetting and dispersing additive:</b> BYK-SYNERGIST 2100 BYK-SYNERGIST 2105	<b>Inorganic/organic:</b> DISPERBYK-190 BF* <sup>5</sup> DISPERBYK-2015 BF* <sup>5</sup> DISPERBYK-2018
Anti-settling	GARAMITE-1958 RHEOBYK-7410 CA RHEOBYK-7411 CA	OPTIGEL-WX RHEOBYK-7420 CA RHEOBYK-7420 ET

Unless otherwise stated, all silicone-containing additives have a cyclic siloxane content D4 of less than 0.01 % and D5 and D6 of less than 0.1 % each.

\*<sup>4</sup> (Organo) Tin-free version: Future-oriented variant of the original product. Originals are still available.

\*<sup>5</sup> Biocide-free version: Future-oriented variant of the original product. Originals are still available.

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