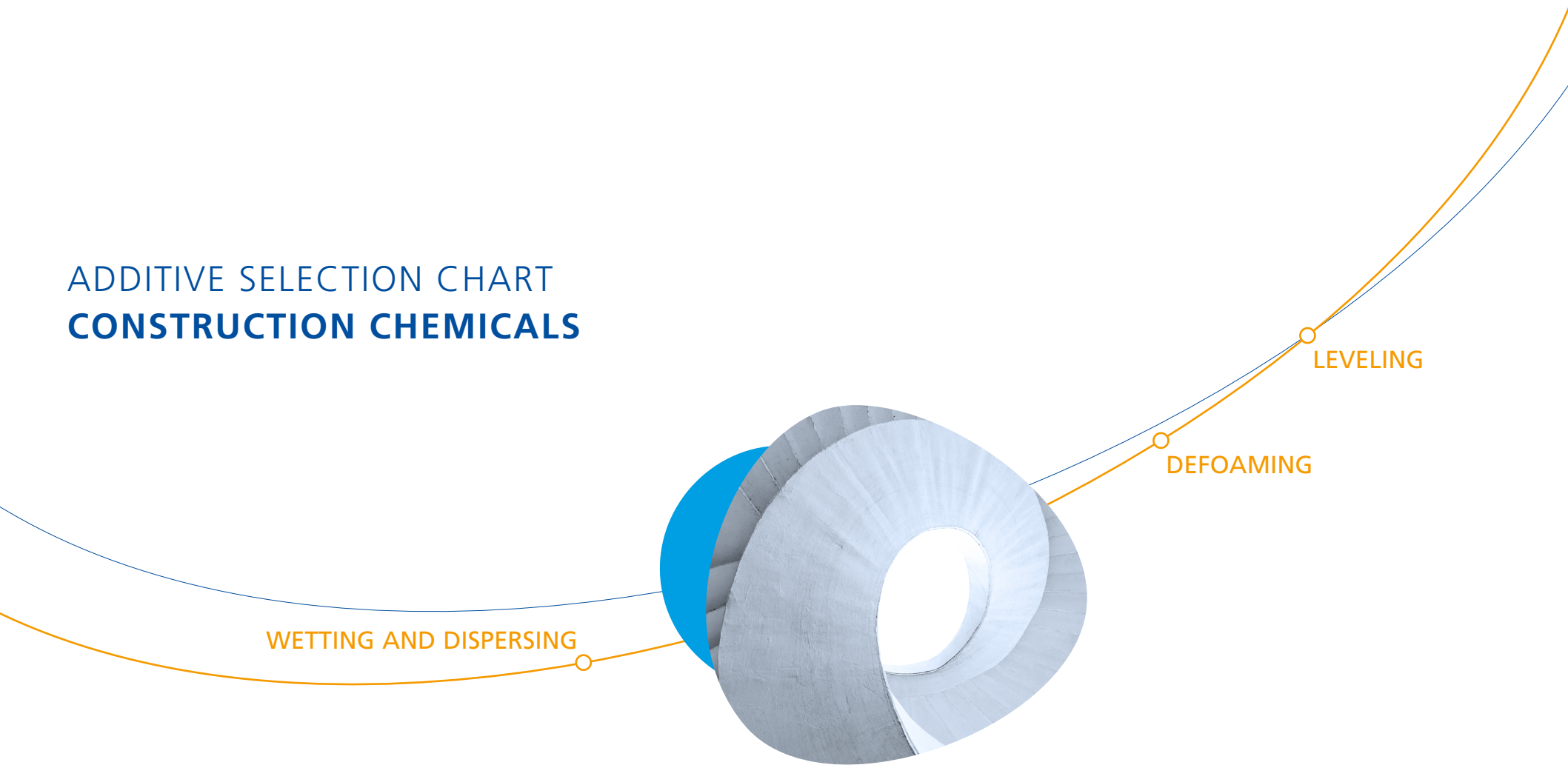


ADDITIVE SELECTION CHART CONSTRUCTION CHEMICALS





Contents

- 03** Dry mix mortars
- 04** Organic based mortar systems
- 05** Hybrid systems
- 05** Geopolymers
- 06** Admixtures and concrete
- 07** Water-proofing

Dry mix mortars (inorganic binder i.e. cement/lime/gypsum)

Application/ binder	Rheology			Defoaming	Wetting and dispersing (mixing and anti-settling of fillers and pigments)	Open time	Water resistance	Leveling
	Anti-sagging	Anti-sedimentation and anti-settling	Workability					
Thin layer (i.e. skim coats, putties)	OPTIBENT-602 OPTIBENT-1008 OPTIBENT-1056	OPTIBENT-602 OPTIBENT-6027	OPTIBENT-616 OPTIBENT-1008 OPTIBENT-6027 OPTIGEL-WX	BYK-1691 SD BYK-1692 SD	DISPERBYK-2290 DISPERBYK-2291 OPTIBENT-NT 10	OPTIBENT-1248	OPTIBENT-NT 10	
Sag-controlled (i.e. base coats, repair mortar, tile adhesives)	OPTIBENT-602 OPTIBENT-1008 OPTIBENT-6027 OPTIBENT-6042		OPTIBENT-6027 OPTIGEL-WX	BYK-1690 SD	DISPERBYK-2290	DISPERBYK-2290 OPTIBENT-602 OPTIBENT-6042		
Flowable and self-leveling (SLU/SLO, screeds)		OPTIBENT-987 OPTIBENT-6027		BYK-1690 SD BYK-1691 SD BYK-1692 SD	DISPERBYK-2291			BYK-1691 SD BYK-1692 SD



Organic based mortar systems

Application/ binder	Rheology			Defoaming	Wetting and dispersing (mixing and anti-settling of fillers and pigments)	Substrate wetting	Open time	Water resistance	Leveling
	Anti-sagging	Anti-sedimentation and anti-settling	Workability						
Aqueous									
Acrylate	BYK-AQUAGEL 7100 OPTIGEL-W 724 OPTIGEL-WA RHEOBYK-7610	ANTI-TERRA-250 BYK-AQUAGEL 7100 OPTIBENT-987 OPTIGEL-WX RHEOBYK-7600 RHEOBYK-H 3300 VF RHEOBYK-M 2600 VF	BYK-AQUAGEL 7100 OPTIBENT-987 OPTIBENT-6018	BYK-014 BYK-037 BYK-1630 BYK-1640 BYK-1724 BYK-1740 BYK-1786	ANTI-TERRA-250 BYK-154 DISPERBYK-199 BF*1 DISPERBYK-2019 DISPERBYK-2080	BYK-349 BYK-3410 BYK-3451	BYKETOL-PC	AQUACER 497 AQUACER 1039	BYK-333 BYK-3565 BYKETOL-WA
VAC	BYK-AQUAGEL 7100 OPTIGEL-WA RHEOBYK-7600	ANTI-TERRA-250 BYK-AQUAGEL 7100 OPTIBENT-987 OPTIGEL-WX RHEOBYK-7600 RHEOBYK-H 3300 VF	BYK-AQUAGEL 7100 OPTIBENT-987 OPTIBENT-6018 OPTIGEL-WX	BYK-037 BYK-1640 BYK-1710 BYK-1724 BYK-1740	ANTI-TERRA-250 DISPERBYK-2080	BYK-3410 BYK-3451	BYKETOL-PC	AQUACER 497 AQUACER 539 AQUACER 1039	
PU	BYK-AQUAGEL 7100 OPTIGEL-WA RHEOBYK-7610	BYK-AQUAGEL 7100 OPTIGEL-WA OPTIGEL-WX RHEOBYK-7600	BYK-AQUAGEL 7100	BYK-014 BYK-022 BYK-1724 BYK-1786 BYK-1796	DISPERBYK-199 BF*1 DISPERBYK-2015 BF*1	BYK-349 BYK-3410	BYKETOL-PC		BYK-333 BYK-3565
Epoxy	BYK-AQUAGEL 7100 OPTIGEL-WA RHEOBYK-HV 80	BYK-AQUAGEL 7100 OPTIGEL-WX RHEOBYK-440	BYK-AQUAGEL 7100 GARAMITE-1958	BYK-011 BYK-015 BYK-022 BYK-037 BYK-1630*2 BYK-1710 BYK-1711*2	ANTI-TERRA-250*2 DISPERBYK-194 N*2 DISPERBYK-199 BF*1	BYK-349 BYK-1681 BYK-3455			BYK-333 BYK-3565
Solvent and solvent-free									
Epoxy		GARAMITE-7305 RHEOBYK-430 RHEOBYK-7410 ET		BYK-1760 BYK-1794 BYK-1796 BYK-A 530	BYK-9076 BYK-W 969 BYK-W 9011 DISPERBYK-2152 TF*3 DISPERBYK-2155 TF*3	BYK-333 BYK-3764			BYK-327 BYK-329
PU		GARAMITE-1958 RHEOBYK-430 RHEOBYK-7410 CA		BYK-392 BYK-1794 BYK-A 535	BYK-9076 BYK-W 969 DISPERBYK-111 DISPERBYK-2155 TF*3	BYK-310 BYK-333			BYK-354 BYK-3761

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 Formulation in the amine component, not in the binder.

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

Hybrid systems (polymer & cement)

Application/ binder	Rheology		Defoaming	Wetting and dispersing (mixing and anti-settling of fillers and pigments)	Substrate wetting	Open time
	Anti-sagging	Anti-sedimentation and anti-settling				
Epoxy	GARAMITE-1958	GARAMITE-1958	BYK-011 BYK-S 732	BYK-9076 BYK-W 996 DISPERBYK-111 DISPERBYK-190		
PU	OPTIBENT-987 RHEOBYK-H 7500 VF	ANTI-TERRA-250 OPTIBENT-987	BYK-1690 SD BYK-1790 BYK-1794	ANTI-TERRA-250 DISPERBYK-190 DISPERBYK-194 N DISPERBYK-2080	BYK-349 BYK-3400 BYK-3410	BYKETOL-PC
Mineral-based	OPTIBENT-987 OPTIBENT-1008	OPTIBENT-987 OPTIBENT-1008	BYK-014 BYK-1690 SD BYK-1691 SD BYK-1692 SD	DISPERBYK-2290 DISPERBYK-2291		

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

Geopolymers

Application/ binder	Rheology			Defoaming	Wetting and dispersing (mixing and anti-settling of fillers and pigments)	Substrate wetting
	Anti-sagging	Anti-sedimentation and anti-settling	Workability			
Epoxy	OPTIBENT-987 OPTIGEL-WX	OPTIGEL-WX	OPTIGEL-WX	BYK-1681 BYK-1691 SD BYK-1692 SD	DISPERBYK-2190 DISPERBYK-2291	BYK-1681

Admixtures and concrete

Application/ binder	Rheology	Defoaming	Wetting and dispersing (mixing and anti-settling of fillers and pigments)
Admixture (PCE)	Anti-sedimentation and anti-settling	BYK-1610 BYK-1615 BYK-1617 BYK-1680 BYK-1681	
Admixture (Ligno)	OPTIBENT-6027	BYK-1640	
Admixture Naphthalen	OPTIBENT-6027	BYK-A 595	
Accelerators	ANTI-TERRA-250 OPTIGEL-WX		
Concrete and offshore		BYK-1681	BYK-3951 P DISPERBYK-2190

Water-proofing

Application/ binder	Rheology			Defoaming	Wetting and dispersing (mixing and anti-settling of fillers and pigments)	Substrate wetting	Leveling
	Anti-sagging	Anti-sedimentation and anti-settling	Workability				
Bitumen and asphalt	Aqueous						
	OPTIBENT-6027 RHEOBYK-HV 80 RHEOBYK-T 1000 VF	RHEOBYK-7420 CA		BYK-018 BYK-022 BYK-1724 BYK-1730	ANTI-TERRA-250 BYK-154 DISPERBYK-199 BF*4		
	SBR and styrene acrylic (aqueous)						
	RHEOBYK-H 6500 VF		RHEOBYK-T 1010 VF	BYK-022 BYK-1640	DISPERBYK-199 BF*4		
	Solvent-based						
	CLAYTONE-40	RHEOBYK-431		BYK-1794	DISPERBYK-145		
PU				BYK-057 BYK-1794	BYK-9076		
MS/STP	GARAMITE-1958 GARAMITE-7303			BYK-1794	BYK-9076		
Cement	OPTIBENT-6027 OPTIBENT-NT 10			BYK-1691 SD BYK-1692 SD	BYK-3951 P DISPERBYK-2290		
Liquid polymer and formulated cement powder	OPTIBENT-602 OPTIGEL-WA	OPTIBENT-602 OPTIGEL-WX		BYK-1640 BYK-1690 SD	DISPERBYK-2290		
Epoxy (aqueous)	GARAMITE-1958	GARAMITE-1958		BYK-022 BYK-1710	ANTI-TERRA-250 BYK-9076 DISPERBYK-111	BYK-349 BYK-3455	BYK-333 BYK-3565

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.

BYK-Chemie GmbH
 Abelstraße 45
 46483 Wesel
 Germany
 Tel +49 281 670-0
 Fax +49 281 65735

info@byk.com
www.byk.com

ADD-MAX®, ADD-VANCE®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERPOL®, NANOBYPK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURABYK®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® 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.

