

MIGHTY®

(Polycarboxylate copolymer)

LONG CHAIN (high early strength)			
NAME	APPLICATION	WORKING TIME	CHARACTERISTICS
21-LINE			
MIGHTY® 21EG	PRECAST	0 (≈min.) 60 	Base Material / <u>Extreme</u> High Water Reducing Ability / <u>Extreme</u> High Initial Workability / <u>Minor</u> Setting Retardation
MIGHTY® 21RA		0 (≈min.) 60 	<u>Extreme</u> High Water Reducing Ability / <u>Extreme</u> High Initial Workability / <u>Limited</u> Setting Retardation
MIGHTY® 21ES		0 (≈min.) 60 	Base Material / High Water Reducing Ability / High Initial Workability / Regular Retention Workability / Minor Setting Retardation
MIGHTY® 21RB		0 (≈min.) 60 	High Water Reducing Ability / High Initial Workability / Regular Retention Workability / Limited Setting Retardation
MIGHTY® 21ES	READY MIX	0 (≈min.) 120 	Base Material / High Water Reducing Ability / High Initial Workability / Regular Retention Workability / Minor Setting Retardation
MIGHTY® 21RC		0 (≈min.) 120 	Base Material / Regular Water Reducing Ability / Regular Initial Workability / Long Retention Workability / Minor Setting Retardation
MIGHTY® 21RS		0 (≈min.) 120 	<u>Extreme</u> Long Retention Workability / Minor Setting Retardation
LONG CHAIN (high early strength)			
NAME	APPLICATION	WORKING TIME	CHARACTERISTICS
600-LINE			
MIGHTY® 630	READY MIX	0 (≈min.) 120 	Special Material / Good Water Reducing Ability / Good Initial Workability / Good Retention Workability / Minor Setting Retardation / Low Concrete Viscosity
MIGHTY® 640		0 (≈min.) 120 	Special Material / Good Water Reducing Ability / Good Initial Workability / Good Retention Workability / Minor Setting Retardation / Very low Concrete Viscosity
MIGHTY® 660	PRECAST	0 (≈min.) 60 	Special Material / High Water Reducing Ability / High Initial Workability / Regular Retention Workability / Minor Setting Retardation / Low Concrete Viscosity
MIGHTY® 670		0 (≈min.) 120 	Special Material / <u>Extreme</u> High Water Reducing Ability / <u>Extreme</u> High Initial Workability / Minor Setting Retardation / Very low Concrete Viscosity

LONG CHAIN (high early strength)

700-LINE			
MIGHTY® 701	READY MIX	0 (≈min.) 120	Special Material / Regular Water Reducing Ability / Regular Initial Workability / Long Retention Workability / Minor Setting Retardation
MIGHTY® 703		0 (≈min.) 120	Special Material / Good Water Reducing Ability / Good Initial Workability / Good Retention Workability / Minor Setting Retardation
MIGHTY® 720		0 (≈min.) 120	Special Material for Concrete Admixture Preparation / Extreme Long Retention Workability / Minor Setting Retardation
POWDER			
MIGHTY® 21PSN	POWDER	0 (≈min.) 120	Powder Superplasticizer without Defoamer for Dry Mixed Products / Extreme High Water Reducing Ability / Extreme High Initial Workability / Minor Setting Retardation
MIGHTY® 21PSD		0 (≈min.) 120	Powder Superplasticizer <u>with</u> Defoamer for dry mix products / Extreme High Water Reducing Ability / Extreme High Initial Workability / Minor Setting Retardation
MIGHTY® 21PL		0 (≈min.) 120	Powder Superplasticizer / Extreme High Water Reducing Ability / Extreme High Initial Workability / <u>Extreme Fast Dissolving Ability</u> / Minor Setting Retardation
MIGHTY® 21PR		0 (≈min.) 120	Powder Superplasticizer / High Water Reducing Ability / High Initial Workability / Extreme Fast Dissolving Ability / <u>Delayed</u> Setting Retardation

SHORT CHAIN (low viscosity, high robustness)

NAME	APPLICATION	WORKING TIME	CHARACTERISTICS
MIGHTY® 21SB	READY MIX	0 (≈min.) 120	Extreme High Water Reducing Ability / Regular Retention Workability / Low Concrete Viscosity / High Cement Compatibility
MIGHTY® 21SA		0 (≈min.) 120	Base Material / High Water Reducing Ability / High Initial Workability / Good Retention Workability / Low Concrete Viscosity / High Cement Compatibility
MIGHTY® 21SC		0 (≈min.) 120	Extreme Long Retention Workability / Low Concrete Viscosity / High Cement Compatibility

OTHERS / ADDITIVES

NAME	APPLICATION	WORKING TIME	CHARACTERISTICS
DEFOAMER 21 (ex Kao Japan)	DEFOAMER	N.A.	Defoamer for Concrete Admixture Preparation
EMAL® 10P EMAL® 10G EMAL® 30P (ex Kao Philippines)	AIR ENRAINER	N.A.	Powder Granules Powder Synthetic Air Entrainer based on Sodium Lauryl Ether Sulfate
EMAL® 228D		N.A.	Synthetic Air Entrainer based on Sodium Lauryl Ether Sulfate

Kao Chemicals Europe

www.kaochemicals-eu.com

KAO Environmental Statement

“eco together”

KAO products are designed for everyday use, in homes around the world.

That's why we utilize original KAO-developed technologies to minimize the impact they have on the environment, not just in the manufacturing process, but in the daily life of the customers who use them. From materials procurement and manufacturing, to distribution, sales, use and final disposal, we want to engage in “eco together” with stakeholders and consumers worldwide.

Enriching lives,
in harmony with nature.



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KAO Sustainability Statement

Our aim is to design and distribute non-toxic and environmentally friendly products using renewable resources. These principles are reflected in our standard product range, the Kao MIGHTY® portfolio.

Kao' sustainability commitment is demonstrated by various certificates issued by certifying entities. These certifications recognize the long-time efforts of Kao Chemicals Europe towards environmental consciousness, contributing to society, and sound and transparent corporate governance.



Scan the QR code to know more about our certifications



For requests and further inquiries about our products, scan the QR code to connect with Kao