
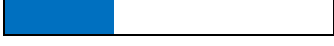



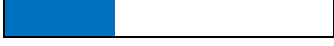


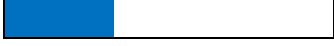
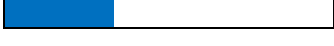
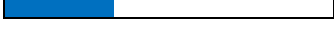









MIGHTY[®]

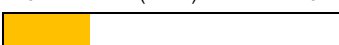

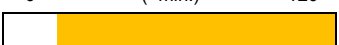
(Polycarboxylate copolymer)

LONG CHAIN (high early strength)			
NAME	APPLICATION	WORKING TIME	CHARACTERISTICS
21-LINE			
MIGHTY [®] 21EG	PRECAST	0 (≈min.) 60 	Base Material / Extreme High Water Reducing Ability / <u>Extreme High Initial Workability</u> / <u>Minor Setting Retardation</u>
MIGHTY [®] 21RA		0 (≈min.) 60 	Extreme High Water Reducing Ability / <u>Extreme High Initial Workability</u> / <u>Limited Setting Retardation</u>
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 [®] 21MX		0 (≈min.) 60 	Special Material / High Water Reducing Ability / High Initial Workability / Regular Retention Workability / Minor Setting Retardation / <u>Low Concrete Viscosity</u>
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 Long Retention Workability</u> / Minor Setting Retardation
MIGHTY [®] 21PSN	POWDER	0 (≈min.) 120 	Powder Superplasticiser without Defoamer for Dry Mixed Products / Extreme High Water Reducing Ability / Extreme High Initial Workability / Minor Setting Retardation
MIGHTY [®] 21PSD		0 (≈min.) 120 	Powder Superplasticiser <u>with Defoamer</u> for dry mix products / Extreme High Water Reducing Ability / Extreme High Initial Workability / Minor Setting Retardation
MIGHTY [®] 21PL		0 (≈min.) 120 	Powder Superplasticiser / Extreme High Water Reducing Ability / Extreme High Initial Workability / <u>Extreme Fast Dissolving Ability</u> / 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 / Low Concrete Viscosity
MIGHTY® 660	PRECAST	0 (≈min.) 120 	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 / Extreme High Initial Workability / Minor Setting Retardation / Low Concrete Viscosity
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 / <u>Extreme</u> Long Retention Workability / Minor Setting Retardation

SHORT CHAIN (low viscosity, high robustness)

NAME	APPLICATION	WORKING TIME	CHARACTERISTICS
MIGHTY® 21SB	READY MIX	0 (≈min.) 120 	<u>Extreme High</u> 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 	<u>Extreme Long</u> Retention Workability / Low Concrete Viscosity / High Cement Compatibility

OTHERS / ADDITIVES			
NAME	APPLICATION	WORKING TIME	CHARACTERISTICS
DEFOAMER 21		N.A.	Defoamer for Concrete Admixture Preparation
EMAL® 10P	AIR ENTRAINER	N.A.	Synthetic Air Entrainer based on Sodium Lauryl Ether Sulfate
EMAL® 228D		N.A.	Synthetic Air Entrainer based on Sodium Lauryl Ether Sulfate
MIGHTY® EM-1		N.A.	Air Entrainer for air-shield tunnel Surfactant mixture for soil conditioning in tunnel construction / High foaming and dispersing properties / Ecofriendly
MIGHTY® VT-300 N	CIVIL ENGIN- EERING	N.A.	Slurry Rheology modifier / fluid loss additive High material segregation resistance / High early strength / Good pumpability / Toughness against water characteristics / Variation of slurry rheology
MIGHTY® 3000 SPS		N.A.	Rheology Stabilizer / Avoids Segregation of Concrete / To Combine with MIGHTY / Minor Setting Retardation
MIGHTY® 3000V		N.A.	Ready To Use "2 in 1" Rheology Stabilizer Incl. PCE / Avoids Segregation of Concrete / Good Water Reducing Ability / Good Initial Workability / Good Retention Workability / Minor Setting Retardation
MIGHTY® V-10		N.A.	Pumpability improver / Segregation reducer High water holding ability / Thickening effect / Improves resistance for bleeding problems

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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