Lyksor ® PM 40

High Rate Water Reducing / Superplasticizing Chemical Admixture Raw Material

Product Definition

Lyksor PM 40 is a mixture of organic and inorganic compounds, especially designed for high rate water reducing admixtures.

Use

Lyksor PM 40 is used in the following conditions and applications.

- In high rate water reducing admixture formulations requiring good workability and slump retention.
- In admixture formulations designed for tight reinforced structural elements such as columns, shear wall and beams.
- In admixture formulations designed for Industrial floor.
- It allows economicaly design of polycarboxylate admixtures.

Advantages and Properties

- Owing to its organic and inorganic compounds, Lyksor PM 40 is highly compatible with polycarboxylate based admixtures, besides high dosages allows more economical admixture cost.
- Lyksor PM 40 shortens the setting time of the concrete when it is used in higher dosages instead of other raw materials that retards the setting time.
- In the admixture recipes the use of Lyksor PM 40 in an appropriate dosage provides a greater ease of workability, makes the concrete easier to mix, transport, place in the formwork and compact concrete.
- Lyksor PM 40 preserves the consistency of concrete for longer than reference blank concrete.
- Lyksor PM 40 improves final strength.
- Lyksor PM 40 improves strength and durability by achieving the targeted consistency class with a lower water / binder ratio.

Application Details

Lyksor PM 40 is compatible to use in concrete admixture recipes with Naphthalene Sulfonate, Melamine Sulfonate, Lignin Sulfonate, Vinyl copolymer and Polycarboxylate based raw materials.

Technical Properties

Colour and form	Brownish – Liquid
Chemical base	Mix of organic and inorganic compound
Density (kg/lt)	1.200 – 1.260 (at +20 ^{o}C)
pH	3.0 – 7.0
Solid Content %	40.0 ± 2.0

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