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FAST PC-SR

High-Performance Retarder

PRODUCT DESCRIPTION

FAST PC-SR is an advanced polycarboxylate polymer based superplasticizer which can be used in the production of high-performance concrete. Comparing to other traditional superplasticizers, FAST PC-SR has excellent retention performance. Moreover, it has good compatibility with other PCE polymers.

ADVANTAGES

- Shows good slump retention.
- Produce the consistent concrete by protecting materials from separation.
- Increase the early strength of the concrete.
- Improves the pump ability due to a lower viscosity of the concrete.
- A colorless, translucent liquid.
- Low chloride and sulphate free.

APPLICATION INFORMATION

- Skyscrapers and large sized building.
- Self - compacting concrete structure requiring high fluidity.
- Bridges requiring high strength and durability.
- Pre-cast concrete structure with constituent concrete.
- General concrete that need initial dispersion.
- Civil engineering and construction site requiring sulfate resistance.

INSTRUCTION FOR USE:

•For manufacturing concrete of general strength:

Weight % of Binder: 0.3 - 1.0%

•For manufacturing concrete of High strength and fluidity:

Weight % of Binder: 0.4 - 2.0% Decide a target dosage depending on mix design conditions, material used, temperature & mixer types.

PHYSICAL PROPERTIES

Colour: Translucent Whitish
(It could be faint yellow as time passes)
Specific Gravity (30°C): 1.110 ±0.05
Solid Content %: 50±1
pH: 5 to 6.5

PACKAGING

In 1000 kg IBC
In 200 kg drum

CAUTIONS

Side effects of overdosing:

- Decide a target dosage depending on the concrete mix design.
- Overdosing can cause the segregation of concrete materials and thus the strength of concrete may become severely lower than the target value.

Storage Temperature:

- FAST PC-SR must be stored at temperatures above 0° to avoid freezing.
- FAST PC-SR must be stored at temperature below 40° to avoid changes in quality as well. Also it should be kept away from direct sunlight.

Handling:

- No special requirement during use. However protection gloves and glasses are recommended.
- FAST PC-SR is non-flammable, non-toxic or irritant and thus is not subject to special transport requirement.

Shelf Life:

- FAST PC-SR has a minimum shelf life of 1 year. Depending on storage conditions, the shelf life may be longer than stated.
- FAST PC-SR should be stored out of direct sunlight and protected from extremes of temperature.
- Don't mix with other chemicals.
- Don't use it for other uses excepts manufacturing concrete as chemical admixtures.
- Rinse immediately with water if it is contacted on skin or eyes. If swallowed, should seek medical treatment.