

CHEMITO SIGMA FLOW 2800

High Range Water Reducing and Retarding Admixture

DESCRIPTION:

CHEMITO SIGMA FLOW 2800 is a new generation multi range plasticizer based on polycarboxylate. To provide a moderate water reduction, better flow, retention.

STANDARDS:

CHEMITO SIGMA FLOW 2800 complies with ASTM C 494-1981 Type G

DOMAINS OF APPLICATION/USES:

- CHEMITO SIGMA FLOW 2800 can be used for:
 - All cement and cementitious material
 - Ready mix concrete
 - Provides high water reduction and improved fresh concrete characteristics
 - Unique multipurpose superplasticizer
 - Single admixture for wide range of concrete
 - Concrete at mild to cold temperatures
 - Highly efficient concrete applications

ADVANTAGES:

- CHEMITO SIGMA FLOW 2800 provides the following beneficial properties:
 - Substantial improvements in workability Flow properties without any increase in water, produces self-compacting concrete
 - The bond strength of concrete to reinforcing steel is considerably increased.
 - Extended workability in conjunction with subsequent strength development.
 - Very significant water reduction minimizes shrinkage or cracking, producing close textured impervious concrete with improved durability and surface finish.
 - This is of particular importance in liquid retaining and water bearing structures.
 - Surface water, water under pressure and aggressive atmospheric conditions.
 - For a given concrete mix keeping the cement consumption and workability constant, large reduction in the amount of mixing water can be achieved.

HANDLING:

CHEMITO SIGMA FLOW 2800 is formulated from chemicals, which present no fire or health hazards.

CHARACTERISTICS:

CHEMICAL BASE	: Modified Polycarboxylate
APPEARANCE	: Transparent
SPECIFIC GRAVITY	: 1.05±0.02
AIR ENTRAINMENT	: ≤ 1.5 % over control mix
pH	: Min. 6.0
CHLORIDE CONTENT	: Nil as per BS – 5075(Part-1)

METHOD OF USE:

DISPENSING: CHEMITO SIGMA FLOW 3300 should be added to the mixing water only. Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed.

Dosage: Optimum dosage can only be established after trials, taking into account the rheological characteristics and the required mechanical performances. Rate of addition is generally in the range of 0.4-2.0% by wt. of Cement and cementitious material.

For the maximum dispersion throughout the mix, CHEMITO SIGMA FLOW 2800 should be added to the mixing water only. The product Should be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed and the n at low speed.

PACKAGING & STORAGE:

- CHEMITO SIGMA FLOW 2800 is available in the following pack:
 - 250 kg HDPE container
- Shelf life is 12 months in sealed containers as
- provided under ambient temperature
- Keep containers sealed and away from heat and cold in a well-ventilated area
- Protect from direct sunlight and frost
- Stir material well before use

PRECAUTIONS:

Not to be stored at high temperatures for long periods. Should be protected from frost. It is Non-toxic and formulated from chemicals which present no fire of health hazards.

HEALTH & SAFETY:

- Protect hands with rubber gloves and eyes with goggles.
- This chemical is harmless to human body.
- Accidental splashes to the skin or eyes must be rinsed immediately with clean water.
- Store in well-labeled containers.
- Non dangerous goods, please observe Material Safety datasheet