

CHEMITO SIGMA FLOW 2930

High range water reducing super plasticizer for No Bleeding concrete with High Strength

CHEMITO

CONSTRUCTION CHEMICAL COMPANY

Stronger Construction Stronger Nation

DESCRIPTION:

CHEMITO SIGMA FLOW 2930 is Modified PCE based high performance super plasticizer for enhanced performance.

STANDARDS:

CHEMITO SIGMA FLOW 2930 complies with ASTM C 494 Type B, D & G requirement.

DOMAINS OF APPLICATION/USES:

- CHEMITO SIGMA FLOW 2930 can be used for:
 - Micro silica concrete
 - Pre-cast concrete manufacture.
 - Ready mix concrete
 - long distance transportation
 - In hot weather to extend workability
 - Bridges and cantilever structures
 - Pre-stressed concrete
 - Floor slabs, Foundations, Walls and columns
 - Beams and slabs, For fair face results

ADVANTAGES:

- CHEMITO SIGMA FLOW 2930 provides the following beneficial properties:
 - High range water reducer designed to obtain neoplastic concrete with slump at least 200mm, without segregation.
 - Reduces thermal peaks.
 - Reduction of 20% water contents whilst maintain workability, durability & impermeability.
 - Increases ultimate compressive strength and other strength developing properties.
 - Effects economies of concrete mix thereby saving cement.
 - Compatible with all type of cement including sulphate resisting and Improves pump-ability of the material.
 - Improves cohesive properties of concrete to reduce segregation & bleeding & reduce the placing problems in hot weather concrete.
 - Improve trowel ability & surface finish.
 - Ready mix concrete where workability retention coupled with retardation in initial set.
 - Reduces the incidence of honeycombing and cold joints during vibration.
 - Reduce water contents would be of benefit to reduce permeability.

HANDLING:

CHEMITO SIGMA FLOW 2930 is formulated from chemicals, which present no fire or health hazards.

CHARACTERISTICS:

| | |
|-------------------------|--------------------------------|
| CHEMICAL BASE | : Modified Polycarboxylate |
| APPEARANCE | : Brown Liquid |
| SPECIFIC GRAVITY | : 1.05±0.02 |
| pH | : 6 to 8 |
| CHLORIDE CONTENT | : Max 0.05% as per BS5075:1982 |

METHOD OF USE/APPLICATION:

DISPENSING: CHEMITO SIGMA FLOW 2930 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 2930 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 2930 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

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