

# CHEMITO SIGMA FLOW 2910

High range water reducing super plasticizer

# CHEMITO

CONSTRUCTION CHEMICAL COMPANY

Stronger Construction Stronger Nation

## DESCRIPTION:

CHEMITO SIGMA FLOW 2910 is a new generation high water-reducing and super plasticizing admixture; for high early strength and free flowing concrete. Does not contain any added Chloride.

## STANDARDS:

CHEMITO SIGMA FLOW 2910 complies with ASTM C 494/C 494M - 99a Type F

## DOMAINS OF APPLICATION/USES:

- CHEMITO SIGMA FLOW 2910 is useful for excellent high early strength without stiffening; combined with high water reduction is required.
- CHEMITO SIGMA FLOW 2910 can be used for:
  - Ready mix concrete
  - Pumped and construction concrete
  - Slip form concrete
  - Concrete at mild to cold temperatures
  - Pre-Cast Segments & High-Grade Cast in Situ Concrete Production

## ADVANTAGES:

- CHEMITO SIGMA FLOW 2910 provides the following beneficial properties:
  - Combination of High Early Strength Generator and High Range Water Reducer
  - Excellent high early strength
  - good workability and slump life
  - Compatible with air entraining agents
  - Non-toxic, does not promote corrosion
  - Ultimate strength is not affected

## HANDLING:

CHEMITO SIGMA FLOW 2910 is formulated from chemicals, which present no fire or health hazards.

## CHARACTERISTICS:

<b>CHEMICAL BASE</b>	: Polymer type dispersion
<b>APPEARANCE</b>	: Colorless Clear Liquid
<b>SPECIFIC GRAVITY</b>	: 1.05±0.02
<b>pH</b>	: 6 to 8
<b>Chloride Content</b>	: Nil as per BS – 5075(Part-1)

## METHOD OF USE/APPLICATION:

**DISPENSING:** CHEMITO SIGMA FLOW 2910 should be added separately to the freshly mixed concrete. When added separately to the freshly mixed concrete, further mixing should take place for at least one minute per cubic meter of concrete.

**DOSAGE:** 0.5-2.0% by weight of cement. Exact dosage of CHEMITO SIGMA FLOW 2910 depends on the type of effect sought; quality of cement and aggregates, water/cement ratio and ambient temperature. Actual dosage to be finalized on the basis of site trials.

For the maximum dispersion throughout the mix,

## PACKAGING & STORAGE:

- CHEMITO SIGMA FLOW 2910 is available in the following pack:
  - 250 kg HDPE container
- Shelf life is 12 months from date of production if stored properly in undamaged, unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +30°C
- 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

## RATE OF ADDITION:

With small dosage the increment of slump is more. The dosage depends on the cement content and the W/C ratio.

## 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 or 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

**Registered Office :** 237, Nawabpur Road (2nd Floor), Dhaka-1100

Phone : +88 02 226639775, Cell : +88 01775-516660

E-mail : chemito1995@gmail.com, info.chemito@gmail.com, web : www.chemito-conschem.com, www.fixocon.com