

Poly naphthalene sulfonate Formaldehyde Sodium salts

Technical Data Sheet

Description

Poly naphthalene sulfonate Formaldehyde Sodium salts,also names poly naphthalene sulfonate(PNS),sulfonated naphthalene formaldehyde condensate sodium salts, naphthalene sulfonate formaldehyde condensates sodium salts, sodium naphthalene sulfonate formaldehyde condensates(SNF),naphthalene sulfonate formaldehyde,etc.

It is produced in liquid and powder form,brown color,with a special smell,it can improve concrete performance by dispersing cement particles and thus,improving concrete workability and compressive strength.so it is used as raw material for the production of concrete admixtures for ready mixed concrete or mortars.

Uses

SNF(PNS) is used as a super plasticizer in the production of free flowing concrete for use in :

Slabs and foundations

Walls, columns and piers.

Slender components with densely packed reinforcement.

Textured surface finishes.

SNF(PNS) is also used as a water-reducing agent leading to high early strength concrete for use in :

Pre-cast concrete elements

Pre-stressed concrete

Bridges and cantilever structures

Areas of concrete

Advantages

SNF provides the following properties :

As a superplasticizer :

Workability is greatly improved. Increased placeability in slender components with packed reinforcement.

Decreases the amount of vibration required.

Normal set without retardation.

Significantly reduces risk of segregation.

As a Water reducer :

Up to 20% reduction of water will produce 40% increasing in 28 days compressive strength.

Method of use

SNF(PNS) is used as a super plasticizer in the production of free flowing concrete for use in :

Slabs and foundations

Walls, columns and piers.

Slender components with densely packed reinforcement.

Textured surface finishes.

Technical Data

Ingredient:sodium naphthalene sulfonate formaldehyde

Sodium sulfate:5%,20% two types

Appearance:Brown powder

Specific Gravity :0.6-0.75g/cm³

Packing

25 kg/bag,or Jambo bag,650kg/bag

Shelf Life

Minimum 1 year if stored in original unopened container,

Handling Precautions:

Avoid contact with skin and eyes

Wear protective gloves and eye protection during work

If skin contact occurs, wash skin thoroughly.

If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.