

ECONEX[®] NN-150P

Poly Naphthalene Sulfonate Formaldehyde Condensates (Powder Type)

Description

ECONEX[®] NN-150P is a poly naphthalene sulfonate formaldehyde condensate, neutralized with sodium, which is used as a major ingredient in various types of superplasticizer.

Properties

Form	Light Brown Powder
Main Ingredient	Poly Naphthalene Sulfonate Formaldehyde Condensates
Total Solid(%)	92.0±1.0
ph(10% solution, 20℃)	8±1.5
Sulfate Concentration(%)	2.5±1.0
Bulk Density	ca. 0.7
Chloride Content(%)	Nil

Features

- Improves workability without an increase in water content
- Reduces water content, maintaining the same workability
- Improves pumpability
- Improves durability
- Improves the mechanical properties of concrete such as compressive, flexural, tensile strength, and E-modulus, etc.
- Reduces shrinkage and cracks
- Improves adhesion to reinforcement and prestressed steel
- Promotes usage of cementitious supplementary materials such as fly ash, blast furnace slag, and silica fume
- Reduces permeability
- Requires less workmanship

Uses

- High performance concrete
- High strength concrete
- Pre-casting
- Pumping concrete
- High volume fly ash or blast furnace slag or silica fume concrete
- Shotcrete
- Light-weight concrete

Dosage

- 0.1~2.0 wt.% of total binder
- Meets all requirements of ASTM C494, Type F

Packaging

- 500kg bag



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