



# CLASSIC SUPERFLO N

## Water Reducing Admixture

### Product:

A water reducing admixture conforms to BS/5075: Part 1: 1982 ASTM C 494 Type A and IS-9103:1999.

### Description:

**Classic Superflo N** is a water reducer based on processed lignosulphonates and is supplied as a brown liquid. The powerful dispersion action of **Classic Superflo N** can be used to obtain dense, high strength durable concrete.

### Composition:

**Classic Superflo N** is a Non-toxic brown liquid based on Naphthalene Formaldehyde Condensate.

### Purpose:

- To achieve increased strength by reducing of w/c ratio for a given workability.
- Increased workability can be achieved for a specified w/c ratio and strength.
- To achieve specified strength by reducing of cement or cement substitute viz. Pozzolana: Can also be used with all types of Portland cement.

### Dosage:

0.15 to 0.5 Litre per 50 Kg bag of cement. However, the optimum dosage should be determined by the site trials. The normal dosage is 0.3% - 1% by weight of cement. Overdosing up to double the normal dosage levels may lead to retardation of setting times and may tend to segregation and produce ultra-fluid concrete.

### Packing:

Available in 5, 20, 50,100 Litre Carboy/ Drums.

### Storage Life:

Minimum one year if stored below 50°C in original sealed containers. If allowed to stand for a long time, contents should be stirred before use.

### Typical Properties:

**Appearance:** Brown Liquid

**Sp. Gravity:** 1.18 @ 30°C

**Chloride Content:** NIL

**Air Entrainment:** Less than 1%

### Advantages:

- Higher compressive strength if water reduction is made.
- Improved Durability.
- Reduces drying shrinkage.
- Easier placing/ Compaction and fair faced finish.
- Chloride free.
- Used in pump concrete.

### Uses:

#### As a Water Reducer:

**Classic Superflo N** facilitates reduction of 12-18% without impairing the workability of the mix leading to increased strength and durability.

#### Increased Workability:

**Classic Superflo N** facilitates significant increase in workability of mixes without reduction in strength and facilitates easy placement compaction and better finish. It can also be used to produce pumped concrete which is ideal for Ready Mix Plants.

#### Economy:

**Classic Superflo N** facilitates reduction of content of 10% if water reduction is taken advantage of without impairing the strength and workability characteristic. Reduction in cement content leads to economy and reduced shrinkage characteristic. It may also be used to improve poorly graded concrete

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mixes having a higher water demand and can also be used in all types of Portland cement, PPC, etc...

### How to Specify:

**Classic Superflo N** concrete super Plasticizer shall be used in accordance with the instructions of PRIMADONN Buildtech Pvt. Ltd. and dosages as determined at site.

### Handling Precautions:

**Classic Superflo N** is non-toxic. However, splashed on the skin should be washed well with water and if contact with eye occurs wash well with water and seek medical advice.

### Variety of Products:

Following are other similar products from Primadonn Buildtech Pvt. Ltd.

- Classic Airent
- Classic Airent-3
- Classic Crete-AXL (CB)
- Classic Crete-AXL (CF)
- Classic Crete-RMW (Powder)
- Classic Crete-RMW
- Classic Crete RPL
- Classic Mortar Plasticizer
- Classic Plasto-Master
- Classic Poly-Propylene Fibres
- Classic Superflo-PC
- Classic Superflo-SP
- Classic Superflo Special

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**Primadonn Buildtech Pvt. Ltd.**

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