



# FARCO MENT N60

## High – Range Plasticizing Admixture for concrete

### Product Description

FARCOMENT N60 is a high range water reducing and plasticizing admixture for concrete which will reduce water demand 5 to 20%.

FARCOMENT N60 may be used at a wide range of dosage rates. It contains no added chlorides and will not promote corrosion of steel.

### ● Mechanism of Action

FARCOMENT N60 is adsorbed on to the particle attraction so that flocs of cement break up. This produces a more uniform dispersion of cement grains reducing the amount of water needed to achieve a given paste viscosity.

FARCOMENT N60 increases the gel content of the Increased gel content adds to the water retention and internal cohesiveness of the mix , reducing bleeding and segregation as it increases workability and placeability .

### ● Application

FARCOMENT N60 produces concrete with a lower unit water content resulting more impermeable and durable concrete. It is recommended for use in all types of concrete including:

- Flat work concrete
- Architectural concrete
- General purpose ready mixed concrete
- Concrete containing such pozzolanic material as fly ash , silica fume and slag.

### ● Advantages Plastic Concrete

- Increased work ability and easier placability.
- Midrange water - reducing characteristics.
- Easier and faster pumping characteristics of concrete.

### Hardened Concrete

- Increased strength at all ages
- Increased concrete durability and uniformity
- Reduced permeability
- Reduced shrinkage

### ● Standard Compliance

FARCOMENT N60 complies with:

- ASTM C 494 Type A , Type F
- EN 934 -2
- ISIRI 2930 . Both water reducing at low dosages and high range water reducing at higher dosages .

### ● General Properties

Chemical Composition	Modified lignosulphonate
Ionic nature	anionic
Appearance	Brownish liquid
Specific Gravity	1.2 ± 0.02
Chlorides (PPM)	500 max

### ● Dosage

FARCOMENT N60 water reducing @200-500gr/100kg cementitious materials weight Mid range 500-700gr/100kg CM wt High range @ 700 -1200gr/100 CM wt

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## Method of Use

- FARCOMENT N60 is supplied ready for use and is completely miscible in water.
- It can be added in to the mixer at the same time as the mixing water.
- It should not be added directly to the cement or dry materials.
- FARCOMENT N60 may be added at the end of mixing process by dispensing equipment or it may also be added to the concrete in a drum of ready mix truck, it should be mixed at least 1 minute m<sup>3</sup> of concrete at high speed.

## Compatibility

### with cements

FARCOMENT N60 is suitable for use with cement replacement materials e.g. Fly ash , silica fume, blast furnace slag cement concrete.

### With other Admixtures

FARCOMENT N60 should not be premixed or used with other admixtures unless receive the approval from manufacturer.

We would recommend that SHIMISAKHTEMAN be consulted in such circumstances.

## Packaging

FARCOMENT N60 supplied in 20kg gallons and 250kg drums.

## Storage

Storage recommended to keep within the range of 5°C to 40°C if product has frozen, thaw and agitate until completely reconstituted .

Keep out of direct sunlight.

## Shelf life

12 month when N60 is kept under the recommended conditions and stored in unopened and undamaged original sealed containers.

## Safety and Handling Precautions

FARCOMENT N60 is a mildly alkaline material, direct contact may cause irritation to eyes. Prolonged contact may cause skin irritation, Wash thoroughly after handlings. Do not take internally.

## Technical Service

The SHIMISAKHTEMAN technical Service Department is available to assist you in the concrete problems in the field and correct use of our products.



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