



FARCO MENT M60

High – Range plasticizing And Retarding Admixture for Concrete

Product Description

FARCOMENT M60 is a high range water reducing and plasticizing admixture with retarding properties for concrete, which will reduce water demand up to 20%. It is formulated to produce workable concrete with high workability retention to enable large or difficult pours to be made. The duration of workability depends not only on the temperature but also on the type and brand of cement, the nature of the aggregates, the method of transportation and the amount of added admixture.

● Mechanism of Action

As a dispersing agent, FARCOMENT M60 lessens natural inter particle attraction between cement grains in water. It does this by colloidal action, by adsorption on the cement particles thus reducing their tendency to clump together and makes the mix more workable with less water. FARCOMENT M60 increases the gel content of the concrete, the increased gel content adds to the water retention and internal cohesiveness of the mix, reducing bleeding and segregation as it increases workability and place ability.

● Application

- It is recommended for use in all types of concrete including:
- Hot weather concreting
- Mass concrete
- Flatwork concrete

- Architectural concrete
- General purpose ready mixed concrete
- Concrete containing such purpose materials as fly ash, silicafume and slag.

● Advantages Plastic concrete

- Good slump retention over prolong periods of time.
- Increased workability and easier place ability

· Easier and faster pumping characteristics

Hardened concrete

- Reduced shrinkage
- Increased ultimate compressive strength
- Reduced permeability
- Increased concrete durability and uniformity

● Standard Compliance

FARCOMENT M60 complies with:

- ASTM C 494 Type G
- EN 934 -2 -Table 11 .1 / 11.2
- ISIRI 2930 -Table 12 , 13
- Both water reducing at low dosages and high range water reducing at higher dosages.

● General Properties

Chemical Composition	Modified lignosulphonate
Ionic nature	anionic
Appearance	Brown liquid
Specific Gravity(kg/l)	1.2 ± 0.02 at 20°c
Chlorides (PPM)	500 max

FARCOMENT M60

● Dosage

Water reducing @ 300-500gr/100kg cementitious materials weight Mid range @ 500-700gr / 100gr CM wt High range @ 700gr -1000gr/100 CM wt

Effects of over dosing

This usually provides extra water reduction as well as, typically a retarded time early strength gain characteristics generally exhibits higher later strength.

● Method of Use

- FARCOMENT M60 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 M60 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 per m³ of concrete at high speed.

● Compatibility

With cements

FARCOMENT M60 is suitable for use with cement replacement materials e.g. Fly ash, silica fume, blast furnace slag cement concrete.

With other Admixtures

FARCOMENT M60 should not be premixed or used with other admixtures unless re-

ceive the approval from manufacturer.

We would recommend that SHIMISAKHTEMAN be consulted in such circumstances.

● Packaging

FARCOMENT M60 is 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 M60 is kept under the recommended conditions and stored in unopened and undamaged original sealed containers.

● Safety and Handling Precautions

FARCOMENT M60 is a low-hazard substance It does not irritate skin and retina under normal conditions.

But in the line with general handling precautions to avoid contact with skin or eyes, protective gloves and goggles should be worn.

● 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.



242 Bldg., Mirdamad Blvd., After Naft St., Tehran. Iran

Tel: +98 21 (22263100 , 22263099 , 22259736) Fax:+98 21 22260586

Shimi Sakhteman



+98 21 27427