



# Gmix Super M60

## High Water Reducing Super Plasticizer For Concrete Block.

### DESCRIPTION

Gmix Super M60 is a High Water Reducing Super Plasticizer admixers used for all type of Blocks. Which Improvs compaction and hydration of semi-dry concrete mixtures in general concrete casting is done High strength concrete with little or no vibration Can be manufactured, and is suitable for use with all types of cement.

### USES AREA

Gmix Super M60 is used in the following this Position:

- Screen blocks.
- Concrete bricks.
- Concrete blocks.
- Paving blocks.
- Terrazzo tiles.
- Concrete posts.

### TECHNICAL INSTRUCTIONS

- **Workability** : Gmix Super M60 can be used to produce collapse slump concrete without reducing the water content. However, minor adjustments to mix design may be required to produce flowing concrete to prevent bleeding and segregation.
- **Compressive** : Substantial reduction in the water content (10-20%) can result in high early compressive strength for a constant slump.
- **Permeability** : Reduced water/cement ratio increases density and improves impermeability. Improved workability facilitates easy placing and good compaction.
- **Cohesion/segregation** : The possibility of bleeding and segregation will be reduced because of increase in cohesion. A uniform close textured surface without sand runs or voids can be produced.

- **Pumpability** : Gmix Super M60 will aid pumping of concrete by providing lubrication to cement particles and reducing line friction.

### CHARACTERISTICS / ADVANTAGES

- Moderate water loss (up to 15%), retains performance.
- Requires little vibration is self-compacting.
- Better surface production by reducing micro-cracks in hardened concrete.
- Increased 24 hour and 28 day Ultimate high strength.
- Improves surface finishing.
- Improves workability without increased water content.
- Reduced shrinkage, better finish.
- Reduces segregation and bleeding of concrete.
- Chloride free and reduces heat of hydration of concrete.
- Compatible with all varieties of Portland Cement including Slag Cement.

### COMPATIBILITY

As with all concrete admixtures, Gmix Super M60 Should not be pre-mixed with other admixtures or chemicals. The product is Produce to be used with Cement, Concrete & Mortar mix. Do not add Gmix Super M60 Directly to the dry mix.

### APPLICATION

The Dosage of Gmix Super M60 is 0.5% to 0.6% by weight of cement i.e. (250 to 300 ml) Per 50 Kg bag of cement, however more accurate dosage can be obtained by laboratory and site trials by mix designing as per appropriate requirements.

### CHEMICAL PROPERTIES

|                    |                      |
|--------------------|----------------------|
| Appearance / Color | Brown Liquid         |
| Specific gravity   | 1.05 to 1.20 at 27°C |
| pH - Value         | 7 to 8.5             |
| Density            | 1.10 to 1.13 at 25°C |
| Cloride Containt   | Nill                 |



## APPLICATION INSTRUCTIONS

### DISPENSING

- The required Quantity (at 250 to 300 ml / 50 kg cement) of Gmix Super M60 must be measured and Thoroughly mixed into water to be used for making Concrete or mortar.
- Gmix Super M60 water mixture must be added the Concrete or marta and mixed Thoroughly. Do not add Gmix Super M60 Directly to dry Concrete or mortar.
- Mixed shall be Continued to obtain hamogeneous mix if required little Quantity of water to be added for required workability.
- Alternatively, correct dosage should be used with about 18 % - 20 % of the total water in the last phase after the mix has been prewetted.
- **Overdosing :** The overdose of double the recommended dosage can result in incresed acceleration of setting time and additional air is entrained which may lead to slight loss in strength. The ultimate strength of the concrete could be increased if advantage is taken of the increased workability by reducing water.  
In the event of over dosage, contact your local Global-mix representative immediately.

### TECHNICAL SERVICES

**MIX DESIGN :** Gmix Super M60 has a dedicated advisory service on Concrete Mix Design and can be contacted if assistance is required. While new advances and changes will take place but one thing will never changes is quality and meeting special needs of our customers. Our laboratory in Dhaka and technical person & xperts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

### PACKING

Gmix Super M60 is Supplied in 20 kg and 220 kg Containers.

### STANDARDS COMPLIANCE

Gmix Super M60 Complies with ASTM C-494 Type F & G. An ISO 9001 : 2015 & IAF.

### SHELF LIFE & STORAGE

This Product will have a shelf life of 18 month from the date of manufacture in unopened conditions, when kept in dry conditions at a temperature between + 5°C to + 45°C. Should be stored in a cool and dry place away from direct sunlight. Storage at higher temperature or high humidity may reduce shelf life.

### HEALTH & SAFETY

This Admixture is non toxic. However, splashes on the skin should be washed well with water and if contact with eye occurs, wash well with water and seek medical advise, vigorous stirring is required if containers containing admixture is allowed in stationary condition for more than week or so.

## OUR PRODUCTS RANGE



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