



## Gmix HPC 850

(High water Reducing Super plasticizer based on poly carboxylic Ether)

### DESCRIPTION :

**Gmix HPC 850** is the admixture of a new generation super plasticizer based on poly carboxylic ether polymer with high early strength gains. **Gmix HPC 850** is free of chloride. Its compatible with all kinds of cements.

### USES :

**Gmix HPC 850** is recommended for use in particularly for the following concrete casting-

- Self compacting concrete.
- Pumped concrete.
- High performance concrete.
- All type of super structure and sub structure concrete.
- High water proofing concrete.

### ADVANTAGES :

- Increases high early strength.
- Produce flow able concrete.
- Concrete mixes without addition of extra water.
- Reduces segregation.
- High water reduction is possible up to 30%.
- Reduces permeability.
- Chloride free.

### APPLICATION :

**Gmix HPC 850** normal dosage is 0.3-1.5% by weight of cement for the general strength. For high strength and fluidity concrete manufacturing dosage is 0.4-2.0%. However, the optimum dosage is to be obtained by site trials by mix designing as per appropriate requirements.

### EFFECTS OF OVERDOSING :

Over dosage may cause delay in the setting time.

### CHEMICAL PROPERTIES :

<b>Composition</b>	Poly carboxylate ether polymer
<b>Appearance / Color</b>	Clear to Brown Liquid
<b>Specific Gravity</b>	1.10 ± 0.05
<b>pH - Value</b>	5.0 ± 0.5
<b>Density</b>	1.09 ± 0.02 at 25°C
<b>Chloride Content</b>	Nil

### COMPATIBILITY :

As with all concrete admixtures, **Gmix HPC 850** 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 HPC 850** Directly to the dry mix.



## STANDARD COMPLIANCE :

**Gmix HPC 850** is confirming to **ASTM C494 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.

**Fire : Gmix HPC 850** is a water based and non-flammable.

## TECHNICAL SERVICES :

**MIX DESIGN : Gmix HPC 850** 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 & experts 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.

## OUR PRODUCTS RANGE



**GLOBAL MIX™**  
CONSTRUCTION CHEMICALS LTD.  
Reliable Solutions of construction



**Corporate Office :**

238/2, Sakura Mansion,  
Malibagh (Mouchak more),  
Dhaka- 1217.



**Factory Address :**

Rupshi, Rupgonj,  
Narayanganj, Dhaka.



02226663820



Info@globalmixint.com  
globalmixint@gmail.com  
www.globalmixint.com



Tasted & Certified by :

