

# ROCK ADMIX FH

## High Range Water-Reducing Concrete Admixture

### DESCRIPTION

A highly effective dual action liquid super-plasticizer for the production of free-flowing concrete or as a substantial water-reducing agent for promoting high early and ultimate strengths.

### USES

ROCK ADMIX FH is used as a super plasticizer in the production of free-flowing concrete such as:

Slabs and foundations  
Walls, columns and piers  
Slender components with densely packed reinforcements  
Textured surface finishes

It is also used as water-reducing agent leading to high early strength concrete such as:

Pre-cast concrete elements  
Pre-stressed concrete  
Bridges and cantilever structure  
Concrete where formwork must be removed quickly or early loading applied.

### CHARACTERISTICS / ADVANTAGES

ROCK ADMIX FH provides the following properties:

As a super plasticizer:  
Workability is greatly improved.  
Increased place ability in slender components with dense reinforcement.  
Easy placing, less vibrating.  
Normal set without retardation.  
Significantly reduces the risk of segregation

As a water Reducer:  
Up to 20% water reduction.  
16 hour compressive strengths increased by up to 100%.  
28 day strengths improved by 40% Increased water tightness.

### APPROVALS / STANDARDS

It complies with ASTM C494 Type F and B.S. 5075 Part 3 for super plasticizer.

### PRODUCT INFORMATION

#### Chemical Base

Naphthalene Formaldehyde Sulphonate.

#### Form

Liquid.

#### Packaging

5 kg and 20 kg pails  
220 kg drums  
Bulk Tanks packing available upon request

#### Appearance / Color

Brown.

#### Shelf Life

12 months from date of production if stored properly in undamaged and unopened original sealed containers.

#### Storage Conditions

Store in dry conditions, protected from direct sunlight and frost.

#### Density

at 20°C) 1.185kg/l  
(ASTM C494

#### Chloride Content

.Nil

### APPLICATION INFORMATION

#### Recommended Dosage

0.8 – 4% by weight of cement, depending on desired workability and strength.

#### Compatibility

ROCK ADMIX FH is compatible with all types of Portland Cement including S.R.C.

#### Dispensing

ROCK ADMIX FH can be added to the mixing water prior to its addition to the aggregates or as in most cases, it can be added directly to the freshly mixed concrete.

When added directly to the freshly mixed concrete, the plasticizing effect is more pronounced.

For Ready-mix concrete, ROCK ADMIX FH is added to the concrete immediately prior to discharge and after further mixing has taken place for three minutes.

## ECOLOGY, HEALTH AND SAFETY

### ECOLOGY

Residues of material must be removed according to local regulations.

Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

### TRANSPORT

Non-hazardous.

### SAFETY PRECAUTIONS








Contains material, which may in certain cases cause skin irritation: Cleanliness is required. In case of skin contact, wash thoroughly with soap and water:

In case of eye contact, flush with water for 15 minutes, contact a Physician: wash clothing before re-use.

### TOXICITY

Non-Toxic under relevant health and safety code



 Al-Obour Buildings - Salah Salem Road - Nasr City - Cairo - Egypt.	 +202 240 456 35
 10th Of Ramadan City	 +2010 277 810 11
 <a href="mailto:info@CityChem.net">info@CityChem.net</a>	 +2010 672 213 44
 @City_Chem	 City Chem

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# CONSTRUCTION