CONCRETE ADMIXTURES

A variety of chloride free and chloride based concrete admixtures for increasing the workability of concrete which includes Normal plasticizers, Superplasticisers, Retarders, Slump retainers and Accelerators etc. Admixtures develop concrete with high durability and strength. Admixtures in the form of fibres help to make a concrete/plaster more workable and durable.
FAIRMATE is an Indian Multi-national construction chemicals manufacturing company having offices and operations in various parts of the world. We have our Corporate office in Bangalore, India and our branch offices are spread across country. FAIRMATE is serving Construction Industry for more than three decades. Apart from our existing manufacturing facilities in India, Dubai and Far-East, FAIRMATE has widened its presence to few more countries like Nepal, Pakistan, Sri Lanka, South Korea, Turkey, Lebanon and Qatar etc.

FAIRMATE manufactures complete range of construction chemicals and is also providing total cost-effective solutions and World Class Services to Speciality Construction Chemical Industry by using our expertise and strategic alliances with leading partners. We have a primary technical collaboration with M/s Resin Engineering Grouts, Industrial Flooring System, Surface Treatment, Concrete Repairs, Pre-packed Concrete and Mortar, Protective Coating, Sealants, Highway Repairs and Fire Protection systems.

QUALITY T RUSTFAIRMATE has set-up its plant and state-of-art R&D centres in various parts of the globe. Quality has always been an integral part of Management Philosophy. Ensuring international standard products to our esteemed customers, we have been accredited by ISO 9001 and ISO (EMS) 14001, which emphasize the quality system of each and every step of processing and ‘zero’ defect operations. We have gone further and have implemented OHS (OHSAS) 18001, which relates to total operational Health and Safety. To ensure Total Customer Satisfaction FAIRMATE is now marching towards “SIX SIGMA”.

We are proud to share with you that FAIRMATE has now become the member of IGBC - Indian Green Building Council, Hyderabad. We are now part of Green Building movement.

VALUES
The values that drive us underscore our commitment to:
Customer Delight: consistently surpass customer expectations.
FAIRMATE also ensures application of the products through authorized trained applicators.
FAIRMATE caters to a large group of customers ranging from multinational companies to individual domestic customers. We have a wide network in India as well as internationally.

FAIRMATE is serving Construction Industry for more than three decades.

FAIRFLO
Super plasticiser

**BENEFITS**
- Increases strength
- High early and 28 days strength, if advantage of water reduction is taken
- Improves cohesion thus aids pumping of concrete
- Facilitates rapid placing of concrete with little or no vibration
- Makes the concrete denser, hence increases durability.

**DESCRIPTION**
FAIRFLO is a high range water reducing admixture for concrete conforming to BS 5075 part 3, ASTM C-494 type ‘F’ & IS 9103 - 2003. FAIRFLO is supplied as brown liquid based on sulphonated Napthalene condensates. The high water reduction properties makes FAIRFLO ideal for application in precast concrete where high early strength is of paramount importance. FAIRFLO can be used to reduce water up to 12 to 30% for a given workability leading to increased early and ultimate (28 days) strength.

FAIRCRETE R2
Retarding plasticiser

**BENEFITS**
- Extends initial setting time
- Avoids cold joints
- Increases workability and helps in making placement, compaction and finishing easier and better.
- Increases strength due to reduction in water
- Facilitates keeping a workable concrete face under difficult condition.
- Chloride free.

**DESCRIPTION**
FAIRCRETE R2 is a retarding water reducing admixture conforming to IS 9103-2003, BS-5075 Part-I, IS 9103 : 2003, ASTM C-494 type ‘D’. FAIRCRETE R2 is based on processed lignosulphonates. It acts as both a set-retarder and as a plasticiser. At higher temperature concrete hardens more rapidly and may impose problems with placing and finishing of concrete. As a plasticizer, it helps in reducing water/cement ratio by 8 to 10% for a given workability and strength.

FAIRFLO RMC (M)
High performance super plasticiser cum slump retainer

**BENEFITS**
- High initial slump without segregation and bleeding.
- Increases strength and improves the workability.
- Possesses Pumping characteristics.
- Improves cohesion and provides better finishing to surfaces.
- Makes the concrete denser and hence increases the durability.
- Retains the slump for longer time even under severe climatic conditions.
- Chloride free.

**DESCRIPTION**
FAIRFLO RMC(M) is a high range water reducing admixture for concrete conforming to BS 5075 part 3, ASTM C-494 type ‘F’ & IS 9103 - 2003. FAIRFLO RMC(M) is a sulphonated Napthalene carboxylated acrylic ether co-polymer based superplasticiser. This admixture gives more cohesive mix and makes a concrete suitable for concrete.

**USES**
- Ideal in precast and prestressed concrete works.
- Can be used with higher grades of concrete.
- Safe for use in prestressed and reinforced concrete.
- Can be used with concrete containing micro silica and other cement replacements.

**PACKING & DOSAGE**
- Available in 1, 5, 20, 50, 200 kg. Carboys.
- Dosage: 0.6 to 1.5% by weight of cement. However, the optimum dosage is to be determined by site trials.

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**FAIRFLO R13**
High range water reducing and retarding plasticiser

**BENEFITS**
- Increases strength - High early and 28 days strength, if advantage of water reduction is taken.
- Safe in prestressed & reinforced concrete.
- Improves cohesion thus aids pumping of concrete.
- Makes the concrete denser, hence increases durability.
- High water reduction is possible.
- Chloride free & self compacted.
- Can retain the slump for longer time & reduces placing time.

**DESCRIPTION**
FAIRFLO R13 is a high range water reducer & retarding admixture for concrete conforming to BS 5075 part 3, ASTM C-494 type 'G' and IS 9103 - 2003. FAIRFLO R13 is supplied as brown liquid based on modified sulphonated Naphthalene polymer. FAIRFLO R13 when incorporated in concrete mix increases the workability without additional water, thus leading to easy placement and finishing without the risk of segregation and bleeding.

**USES**
- FAIRFLO R13 can be used with all types of portland cement.
- Ideal with higher grade of concrete mix, prestressed and precast concrete work, pavement concrete, exposed slab concrete, Mass concrete.

**PACKING & DOSAGE**
- Available in 1, 5, 10, 50, 100, 200 kg. Carboys.
- Dosage: 0.6 to 1.5% by weight of cement. However, the optimum dosage is to be determined by site trials.

**FAIRFLO HSP**
High performance concrete superplasticiser

**BENEFITS**
- Flowable concrete with the lowest water/cement ratio without segregation or bleeding.
- Improves concrete surface finish and texture.
- Less vibration required even in case of congested steel reinforcement.
- Ideal for self compacting concrete.
- Improves the physical properties and durability of concrete.
- Resistance to carbonation and chloride ion attack of concrete.
- Decreases the risk of shrinkage.
- Helps in attaining high early strength.

**DESCRIPTION**
FAIRFLO HSP is a high performance polycarboxylic based concrete superplasticiser. FAIRFLO HSP has been primarily developed for applications in the premixed and precast concrete industries where highest durability and performance is required.

**USES**
FAIRFLO HSP can be used in self compacting concrete, high performance concrete, concrete requiring long workability retention and high performance concrete.

**PACKING & DOSAGE**
- Available in 1, 5, 10, 50 & 100 ltrs.
- Dosage: Between 0.3 to 0.8 ltrs per 100 kg of cementitious material.

**FAIRCRETE RMW**
Integral waterproofing additive for concrete and plaster

**BENEFITS**
- Ensures perfect watertight structure.
- Reduces mortar dropping, when used in plaster.
- Ensures good finishing to concrete.
- Apart from waterproofing, it increases strength of concrete and plaster.
- Reduced water cement ratio increases compressive strength and durability of concrete.
- Does not affect the setting time of the concrete and mortar.
- Liquid nature ensures homogeneous mixing.
- Chloride free & free from corrosion.

**DESCRIPTION**
FAIRCRETE RMW is an integral, high performance waterproofing additive based on high performance polymers, which reduces the permeability throughout the depth of concrete. It conforms to IS 2645 - 2003. FAIRCRETE RMW is approved by Bureau of Indian Standard vide ISI registration no. CM/L7648592

**USES**
FAIRCRETE RMW is a useful product for water retaining structures like terrace, chajjas, water tanks, parapets, bathroom, toilets and industrial structures like reservoirs, cooling tower, etc.

**PACKING AND DOSAGE**
- Available in 150ml, 500ml, 1, 5, 10, 50, 100, 200 ltr. carboys.
- Dosage: 150ml to 200ml per 50 kg. Cement.

**FAIRCRETE W**
Chloride based accelerating plasticiser

**BENEFITS**
- Increases the rate of strength development.
- Accelerates the setting time of concrete.
- Resistant to freezing in cold weather concreting.
- Can be used for P.C.C. Work.
- Ideal for hollow blocks and concrete bricks.

**DESCRIPTION**
FAIRCRETE W is a chloride based plasticizer for accelerating the setting time of plain cement concrete for early development of strength confirming to IS 9103-2003. FAIRCRETE W can be used for providing increased resistance to frost damage during and after construction of hollow blocks. It can be used to increase the rate of strength development.

**USES**
FAIRCRETE W is used for concreting in cold weather, Mass concreting under sea water and concrete hollow block manufacturing.

**PACKING AND COVERAGE**
- Available in 1, 5, 20, 50, 100 kg. Carboys.
- Dosage: 600ml to 1000ml per 50kg cement. However, the optimum dosage is to be determined by site trials.
OUR OTHER CONCRETE ADMIXTURES RANGE OF PRODUCTS

FAIRCREE N
Water reducer cum normal plasticiser for concrete upto M25 grade having increased workability, easier placing, higher cohesion, better compaction & finishing, reduces risk of segregation and bleeding, lower water requirement for given workability, reduces w/c ratio by 8 to 10%. Conforms to : BS 5075 1982 Part - 1, IS 9103 :2003, ASTM C- 494 Type ‘A’. Dosage: 150 ml. to 250 ml. per 50 kg. cement.

FAIRCREE HP
Water reducer cum high performance plasticiser for M 30, M 35 & M 40 grades of concrete. It increases workability, improves cohesion, better compaction and finishing, reduces w/c ratio by 15% to 20 % and hence increases initial & ultimate strength, reduces drying shrinkage cracks. Conforms to : BS 5075 Part -1, IS 9103 : 2003, ASTM C- 494 Type ‘A’. Dosage: 0.6% to 1.5% by weight of cement.

FAIRPLAST IP
High workable mortar plasticiser cum waterproof plaster additive, gives better consistency, prolonged workability, smooth & creamy mortar even with coarse sand, reduces drying shrinkage cracks & mortar dropping, has greater resistance to frost damage during construction, protection against freeze-thaw damage after construction, reduces permeability hence ensures water proof plaster. Increases the yield of mortar by 8% to 10% and results into cost benefits. Conforms to : BS-4887 & IS - 2645 : 2003. Dosage : 200 gms. per 50 kg. cement.

FAIRFLO S MODIFIED
High range water reducing retarding admixture for concrete conforming to BS 5075 part - 4, ASTM C- 494 type ‘D’ and IS 9103 - 2003. Used to produce high strength & flowing concrete without additional water, enables high water reduction to achieve high early and 28 days strength. Dosage: 0.6% to 1.5% by weight of cement.

FAIRFIBRE P
Specially designed polyester fibre reinforcement for concrete and mortar. It highly improves the durability of structure, increases tensile & compressive strength, increases flexibility of concrete, reduces water permeability, minimizes steel reinforcement in industrial floors and prevents the shrinkage cracks. Also, it works as a secondary reinforcement in concrete. Dosage: 125gms per 50kg cement.

SPRAYCRETE
Chloride free spray concrete plasticiser in powder form, suitable for guniting and shotcreting operation, has excellent bonding properties and reduces frost damage during construction. Dosage : 2% to 5% by weight of cement.

LIST OF OUR VALUED CLIENTS

CLIENTS
- Reliance Group of Company
- Sardar Sarovar Narmada Nigam Ltd.
- National Highway Authority Of India
- National Hydroelectric Power Corporation Ltd.
- Indian Oil Corporation Ltd.
- National Thermal Power Corporation Ltd.
- Air Port Authority of India Ltd.
- Delhi Metro Rail Corporation Ltd.
- Adani Power Ltd.
- Tata Power Ltd.
- Essar Construction
- JayKay Cement
- Aditya Cement
- ABG Cement

CONSULTANTS
- Engineers India Ltd.
- Stanley - Rites JV
- MECON
- Bechtel Ltd., France
- SMS Consultants
- Le-ND Consultants
- Humphry & Glasgow
- Kvaerner Power Gas Ltd.
- Stup Consultants Pvt. Ltd.
- S. M. Consultant
- Toyo Consultant

CONTRACTORS
- Larsen & Toubro Ltd. ECC Division
- Jayprakash Associates Ltd.
- Punj Lloyd Ltd.
- Shapoorji Pallonji & Co. Ltd.
- Simplex Infrastructure Ltd.
- Gammon India Ltd.
- Paharpur Cooling Towers Ltd.
- Toyo Engineering Ltd.
- ESSAR Constructions Ltd.
- Gannon Dunkerly & Co. Ltd.
- Hindustan Construction Company Ltd.
- Soma Enterprises
- Bridge and Roof Company Ltd.
- Patel Engineering Ltd.

and many more...

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