

COREFLOW 101

Formerly known as **FAIRFLO 101**

Super plasticizer concrete admixture

BENEFITS

- Resistance to segregation even at high workability
- Extended setting with longer workability
- Reduced water content for a given workability
- Higher ultimate strength
- Reduced permeability and improved durability
- Reduced shrinkage and creep
- Better resistance to aggressive atmospheric conditions
- Increased ease in finishing concrete

PRODUCT

COREFLOW 101 is aimed to achieve increased workability without loss of strength. **COREFLOW 101** is specifically formulated for Ready-mix concrete and household purposes. Reduction in cement without loss of workability or strength can be achieved. It can reduce water to cement ratio for any given workability. It Confirms to **BS-5075 : 1982 Part 1; IS-9103 : 1979 and ASTM C-494 Type A & Type D.**

DIRECTION FOR USE

COREFLOW 101 is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticising effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added. The addition of **COREFLOW 101** to dry aggregate or cement is not recommended.

USES

- Ready mix concrete
- Home and Buildings

DOSAGE

Optimum dosage of **COREFLOW 101** should be determined with trial mixes. As a guide, a dosage range of 600ml to 1500ml per 100kg of cementitious material is recommended as a starting point. Because of variations in

concrete materials, job site conditions, and/or applications, dosages outside of the recommended range may be required.

Thorough mixing is essential and a minimum mixing cycle, after the addition of the **COREFLOW 101**, of at least 180 seconds for forced action mixers is recommended.

EFFECTS OF OVER DOSAGE

A severe over-dosage of **COREFLOW 101** can result in the following:

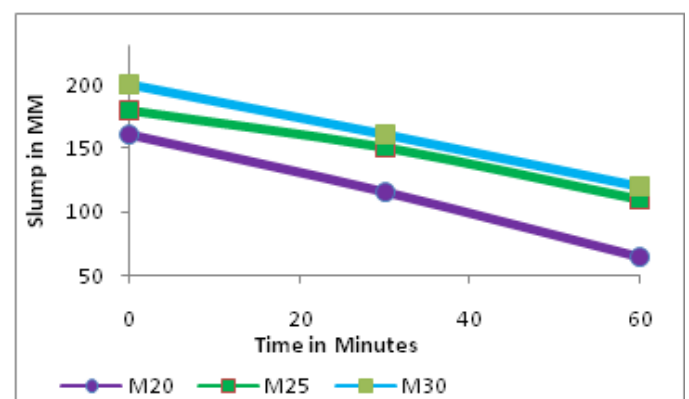
- Longer extension of initial and final set
- Increase in air entrainment
- Bleed/segregation of mix, loss of workability
- Increased plastic shrinkage

TYPICAL PROPERTIES

Colour	Brown
Chloride Content	<0.2% as per IS 456

Typical test properties

Trial results with standard mix designs at different grade from M20 to M45. Brand and grade of cement: Siddhi OPC-53; Sand zone: zone IV.



Compatibility

COREFLOW 101 is compatible with most admixtures used in the production of quality concrete including normal, other mid-range and high-range water-reducing admixtures, air entertainers, accelerators, retarders, extended set-control admixtures, corrosion inhibitors, and shrinkage reducers **COREFLOW 101** is also compatible with slag and pozzolans such as fly ash, metakaolin and silica fume.

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PACKAGING

COREFLOW 101 is supplied in drums and in bulk quantity on request.

SHELF LIFE AND STORAGE

COREFLOW 101 will have a shelf life of **12 months** in unopened containers when kept in dry conditions at a temperature between 5°C to 35°C. Material must be kept under shaded area and away from direct sunlight. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH & SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, and skin. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item.

QUALITY ASSURANCE

Fairmate manufactures entire range of construction chemicals under compliance of ISO 9001, ISO 14001 & ISO 45001 (Occupational Health and Safety) certified by ISOQAR/UK.

TECHNICAL SERVICES

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our quality control laboratory and technical 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 RANGE OF PRODUCTS

CONCRETE ADMIXTURES
WATERPROOFING SYSTEMS
ENGINEERING GROUTS
INDUSTRIAL FLOOR SURFACES

CONCRETE REPAIRS
SURFACE TREATMENT
SEALANT
PREPACKED CONCRETE & MORTAR

PROTECTIVE COATING
HIGHWAY REPAIR
ARCHITECTURAL FINISH

"Contact us to discuss any potential requirement and you will be assured of a rapid and effective response - that's guarantee!!"



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