

MID RANGE WATER REDUCING & RETARDING CONCRETE ADMIXTURE

DESCRIPTION

Conmix PC707 is a new generation plasticizing admixture based on modified polycarboxylate polymer. Due to its polymeric chain system it is a very effective cement dispersant, slump retention and mid range water reducer. Complies with ASTM C494, Type A & D and BS EN 934 - Part 2.

USES & ADVANTAGES

Conmix PC707 is used in ready mix concrete plant where high slump retention is required in hot weather conditions, where fines are high in concrete mix design, etc. It can be used with durable concrete containing fly ash, slag, micro silica, etc.

Advantages include:-

- Reduction of water upto 15% against control mix
- Produces free flow concrete
- Increased slump retention and placeability
- Improves mechanical strength, flexural and compressive strength
- Improves adhesion to reinforcement and steel
- Cement savings
- Improved surface finish
- Produces a good concrete with cost saving in mix design

PROPERTIES

Typical properties @ 25°C complies to ASTM C494 Type A & D

| | |
|-------------------|----------------------|
| Component: | Single |
| Form: | Light Brown Liquid |
| Appearance: | Liquid |
| S.G.: | 1.03 - 1.07 |
| pH: | 5-7 |
| Chloride Content: | Nil |
| Air Content: | <2% over control mix |

MIXING / APPLICATION

Conmix PC707 should be dispensed into concrete mixer together with water at the batching plant.

Conmix PC707 can used with all types of cement and cementitious material like fly ash, slag, micro silica, etc.

DOSAGE

Recommended dosage is 0.3- 1.0 litre per 100 kg of cementitious material. However higher dosage can be used after verifying the performance by carrying out lab or site trials. Trial mixes are always recommended to carry out prior to batching plant for optimum dosage and strength requirements. Overdosing may provide higher workability and delay in setting time which may affect the initial strength of concrete mix.

LIMITATIONS

Conmix PC707 should not be premixed with other admixtures. If required so, please consult our Cormix Technical Department regarding compatibility.

PACKAGING

Conmix PC707 is supplied in 200 litre drums. Alternatively bulk deliveries can be arranged.

STORAGE & SHELF LIFE

The shelf life is 12 months from date of manufacture, when stored under cool, dry, shaded conditions and in original unopened packaging.

HEALTH & SAFETY

Conmix PC707 is an aqueous solution of materials which present no serious health hazard. However, as with all organic chemicals, normal industrial hygiene procedures should be adhered to and it is recommended that gloves and eye protection be worn when handling. In case of skin or eye contact, thoroughly irrigate with water and seek medical advice for eye contact or if skin irritation persists. In the case of accidental ingestion, wash mouth out with water and seek immediate medical attention.

Conmix PC707 is non flammable, but if involved in a fire the dry residue could support combustion and give off fumes. In such a case, keep drums cool with water spray and remain upwards from wind to avoid fumes.

In case of spillage, the floor area may become slippery and should be washed thoroughly with cold water to drain. For further information consult Cormix International Limited.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

CONTACT DETAILS

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