

A RHEOLOGY MODIFYING CONCRETE ADMIXTURE DESIGNED FOR USE WITH SELF-COMPACTING CONCRETE

DESCRIPTION

Conmix VE is a highly efficient new generation admixture to be incorporated in self compacting concrete mixes to increase cohesion and stability.

Conmix VE is used in conjunction with Polycarboxylate range of superplasticisers to produce stable self compacting concrete, maintaining the properties of the concrete whilst preventing segregation.

USES & ADVANTAGES

Conmix VE is to be used in conjunction with **Conmix 2000** range to produce a stable self compacting concrete.

Advantages include:-

- Manufactured specifically for use in self compacting concrete.
- Very efficient requiring low dosage.
- Concrete designed correctly incorporating **Conmix VE** will flow around reinforcement without blocking or segregating.
- Pumping is aided with the incorporation of **Conmix VE**.
- Concrete will have a high level of fluidity and can be placed by gravity without the need for vibration.

PROPERTIES

Appearance:	Brown liquid
Specific Gravity:	Approx. 1.02 at 25°C
Air Entrainment:	Nil
Chloride Content:	Nil

METHOD OF USE

Polycarboxylate range and **Conmix VE** are supplied ready to use. Add the admixtures to the concrete separately do not premix together prior to addition. If other admixtures are present in the concrete trial mixes should be undertaken to assess suitability. Add both admixtures with part of the mix water after the addition of the cementitious component. For maximum performance approximately 75% of superplasticiser maybe added first and then all the **Conmix VE**. The remainder of superplasticiser is then added & the concrete mixed for at least another 5 minutes to ensure good dispersion.

DOSAGE

Trial mixes should be undertaken to determine the optimum dosage. The final dosage will be determined by trial mixes using materials and conditions to be experienced in actual use. As a guide to trials a dosage level of 0.05% to 0.15% by weight of cement is recommended.

EFFECT OF OVERDOSING

The effect of overdosing is related to the quantity of material overdosed. Cohesion will normally be increased and the level of workability/flow may decrease. Setting times may also increase especially if concreting in low temperatures or whereby sulphate resisting cements or cement replacements are used.

Where overdosing is apparent inspection of the concrete in its plastic state should be undertaken with particular

attention given to its cohesiveness and consistency before deciding on its suitability.

Compatibility with Other Admixtures

Conmix VE is manufactured for use with Polycarboxylate range. It should not be premixed with other admixtures or **Cormix** Superplasticisers. The performance of the material may be affected by the presence of other chemicals and it is recommended you consult Cormix International in such circumstances. Concrete's containing more than one admixture should be assessed by trial mixes. **Conmix VE** is suitable for use with all types of Portland Cement, S.R.C. cements and cement replacements such as P.F.A., G.G.B.F.S. and microsilica.

PACKAGING

Conmix VE is supplied in 25 litre plastic pails or 200 litre steel drums.

STORAGE & SHELF LIFE

Store preferably protected from frost and sunlight in warehouse conditions. If frozen thaw out & mix to achieve its original condition. If subjected to temperatures greater than 50°C or lower than -2°C consult Cormix International. The shelflife is at least 12 months stored in unopened containers.

HEALTH & SAFETY

Conmix VE is formulated from chemicals that present no fire or health hazard, however, it should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective gloves & goggles should be used. Remove splashes to the skin with water. Rinse eyes with plenty of water & seek medical advise. If swallowed do not induce vomiting & seek medical attention immediately. For further information consult the material safety data sheet.

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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Rev. 004 : Jun 2010

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