



AdCon SP 1000

A Superplasticising admixture to produce rheoplastic concrete

Description:

AdCon SP 1000 is a high efficiency Superplasticising admixture, specially designed for troweled concrete. It is used to impart extremely high workability to concrete enabling large or difficult pours to be made with little or no vibration.

Advantage

- AdCon SP 1000 can be used to effect high range water reduction, leading to a considerable increase in compressive strength.
- Substantial increase in workability can be obtained by a direct addition of AdCon SP 1000 to a concrete mix having slump in the range 50mm-100mm, often, the magnitude of concrete becomes self-compacting and little or no vibration is required to achieve dense, void free concrete.

Properties

Appearance	Dark Brown liquid.
Specific Gravity	Typically 1.17 ± 0.01 at 25°C
Chloride Content	Nil
Air Entrainment	Typically less than 2%

Standard Compliance

AdCon SP 1000 complies with ASTM C494 type F.

Typical Dosage

The optimum dosage of AdCon SP 1000 to meet specific requirements should always be determined by trial mixes using the materials and conditions that will be experienced in use. For normal concrete a dosage rate 1% to 3% by weight of cement may be used. For high strength concrete, a dosage of up to 3% by weight of cementitious materials can be used.

Compatibility

AdCon SP 1000 is compatible with other admixture used in the same concrete mix. All admixtures should be added to the concrete separately and must not be mixed together prior to addition. The resultant properties of concrete containing more than one admixture should be assessed by trial mixes. AdCon SP 1000 is suitable for use with all types of Portland, pozzolanic cements. It can be used also in mix designs containing fly ash and microsilica.



Effect of Overdose

The effect of overdosing of AdCon SP 1000 is a function of the degree of overdose. When producing high workability concrete, overdosing will increase the level of workability and may induce the onset of segregation depending on the extent of the overdose, an increase in the setting time may also occur, especially in low temperatures and /or when employing sulphate resisting cement.

Dispensing

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment details of which are available upon request.

Packaging

AdCon SP 1000 is supplied in 1000 liter bulks.

Shelf life/ Storage

AdCon SP 1000 has a shelf life of 12 months provided the temperature is kept within the range of 2° to 50 °C.

Safety precautions

AdCon SP 1000 does not fall into the hazard classification of current regulations. However, it should not be swallowed or allowed to come into contact with eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately-do not induce vomiting.

Technical Service

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

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