

CONSPRAY

Sprayed concrete admixture

Uses: CONSPRAY is used in sprayed concrete, shotcrete and gunite processes where rapid setting is required.

Advantages:

- Rapid set allows fast build-up
- Minimum rebound
- Single pass spraying for thick coating
- Excellent for overhead surfaces
- Can be used for 'wet and dry' processes
- Non-flammable

Description:

CONSPRAY is a chloride free accelerating admixture. It is supplied as a pale yellow solution which is introduced through the spraying nozzle.

Technical support:

Provides a technical advisory service for on-site assistance and advice on admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and other products for use with fresh and hardened concrete.

Typical dosage:

The optimum dosage for CONSPRAY to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. This allows the optimization

of admixture dosage and mix design and provides a complete assessment of the concrete mix. A starting point for such trials is to use a dosage within the normal typical range of 1.0 to 5.0 litres/100 kg of cementitious material, including PFA, GGBFS or micro silica.

Use at other dosages:

Dosages outside the typical range quoted above may be used if necessary and suitable to meet particular mix requirements, provided that adequate supervision is available. Compliance with requirements must be accessed through trial mixes.

Properties:

- Appearance: Pale yellow liquid
- Specific gravity: 1.38 @ 27°C
- Chloride content: Nil to BS 5075
- Air entrainment: Nil

Application instructions

Compatibility: CONSPRAY is compatible with other admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be mixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes to ensure the desired combination of effects is obtained.

CONSPRAY is suitable for use with all types of ordinary Portland cements and cement

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replacement materials such as PFA, GGBFS and silica fume.

Stiffening and set:

Stiffening occurs approximately after 10 seconds. As is usual with rapid initial acceleration of the cement hydration process the 28 day compressive strength will normally be reduced by approximately 25-35 %.

Dispensing and mixing:

CONSPRAY is normally introduced directly after the air ring in the spray nozzle. In order to obtain a consistent supply of admixture at the nozzle the delivery system recommended is as follows a pressure pot operating at 600 KPa delivery through a 20mm inside diameter pressure hose controlled by a pressure restrictor and tap. With the 'wet process' significant advantage can be obtained by using a water reducing admixture such as PLASTCONE AP211 to reduce the water content of the mix.

Effects of overdosing:

An overdose of double the intended amount of CONSPRAY will result in increased setting of the mix before it reaches the surface to be sprayed. It will also result in a loss of strength.

Estimating

Packaging: CONSPRAY is available in 20, 50 and 200 kg containers.

Storage:

CONSPRAY has a minimum shelf life of 6 months in unopened original containers under normal warehouse conditions provided the temperature is kept within the range of 20°C to 40°C.

Precautions

Health and Safety: CONSPRAY does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin or 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. For further information contact us.

Fire:

CONSPRAY is water based and non-flammable

Cleaning and disposal:

Spillages of CONSPRAY should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

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NOTE:Redwop products are guaranteed against defective materials and manufacture and are sold subject to its standard terms & condition of sales,

