



Technical Data Sheet

Ecocfast 2 Accelerator for Sprayed concrete

Description

Ecocfast 2 is a chloride free admixture used for sprayed concrete and shotcrete.

Advantages

Ecocfast 2 has the following advantages.

- Can be used with all types of Portland cement and cement replacement materials.
- Chloride free
- Rapid set allows thick sections to be built-up
- Single pass spraying for thick layers.
- Excellent for overhead applications
- Can be used for 'wet and dry' processes

Technical properties

Appearance	Pale yellow liquid
Specific gravity	1.28 ± 0.03
Total Chloride Content	Nil

Method of Use

Ecocfast 2 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 should have a 600KPa pressure pot, and a 20mm inside diameter pressure delivery hose controlled by a pressure restrictor and tap. With 'wet process' the use of a water reducing admixture to reduce the water content while increasing workability of the mix is recommended.

Stiffening occurs approximately after 10 seconds of mixing concrete with **Ecocfast 2**. As with all other processes and products, the rapid initial acceleration of the cement hydration process, will affect the ultimate concrete strength. The 28 day compressive strength will normally be reduced by approximately 25 - 35 %.



Compatibility

Ecocfast 2 can be used with all types of Portland cement and cement replacement materials. **Ecocfast 2** is compatible with other Envirocon admixtures when used in the same concrete mix.

If more than one type of admixture is to be used in the concrete mix, they must be dispensed to the concrete separately.

Dosage

The optimum dosage for **Ecocfast 2** to meet specific requirements should be determined by trials using the materials and conditions that will be experienced in use. This can best determine the optimum dosage to be used and will ensure most cost effective site application.

The typical dosage range for **Ecocfast 2** is 5.0 to 7.0 Liters / 100 kg of cementitious and cement replacement material, including PFA, GGBFS or microsilica, which can be used as a starting point for the trials.

Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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Use at other Dosages

Dosages outside the typical range quoted above may be used if necessary to meet particular mix requirements. Compliance with requirements must be assessed through trial mixes.

For further information and support, contact Envirocon technical staff.

Effects of over dosage

An overdose of the intended amount of **Ecocfast 2** will result in reduced setting of the mix and will result in some loss of strength.

Cleaning

Ecocfast 2 can be washed with fresh cold water.

Packaging

Ecocfast 2 is available in 1000 liter bulks supply.

Storage

Ecocfast 2 shelf life is 12 months if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded in any respect, Envirocon technical department should be contacted for advice.

Cautions

Health and safety

Ecocfast 2 is not classified as hazardous material. **Ecocfast 2** should not come into contact with skin and eyes.

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

Consult material safety data sheet for more information.

Fire

Ecocfast 2 is nonflammable.

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E n v i r o c o n C o n s t r u c t i o n P r o d u c t s L L C

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