

Technical Data Sheet
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Fluid4Crete®

Water Reducer & Super Plasticizer:

Fluid4Crete® meets and exceeds all requirements of Water Reducing Admixture (HWRRe).

Complies European Norm: EN 934-2

Description:

Fluid4Crete® is a new generation of high range water reducing admixture designed to increase concrete workability in hot weather while keeping a reduced water / cement ratio and high early strength.

Uses:

Fluid4Crete® is suitable for the production of high performance concrete.

Fluid4Crete® is used for the following types of concrete:

- Mass concrete pours
- For all pilling & foundation concrete
- Micro silica concrete
- High strength concrete with a very good workability
- Self compacting concrete
- Enhances the durability of the concrete
- Eases placement in congested reinforcement areas

Advantages:

The use of **Fluid4Crete®**, following concrete properties are obtained (due to surface absorption as well as sterical separation of the cement particles):

- High workability, Flowability and Finishability
- Extremely high water reduction can be achieved, hence resulting in high density as well as better impermeability of the concrete
- Excellent Ultimate Strength Performance
- Due to its high capability of water reduction, high ultimate strength can be obtained
- Improved Concrete Properties
- Excellent flowability also achieved resulting in reduced placing and compacting effort of the concrete
- Suitable for the production of Self Compacting Concrete

Application:

Dosage:

Trial dosage are highly recommended to determine the optimum dosage as different types of cement retards differently.

As a guideline, the normal dosage is the range of 0.3-3.0 litres/100Kg of cement.

Contact **The Unixs®** technical department for advice on using different mixing proportions.

Mixing:

Fluid4Crete® is added to the initial batching water.

For optimum utilisation we recommend thorough mixing at a minimal wet mixing time of 60 seconds per cubic metre.

Compatibility:

Fluid4Crete® can be used with all types of Portland cement including sulphate resisting and all cement replacement binders as PFA and GGBH

Application Method:

Concrete should be placed according to good concrete practices and proper curing procedures should take place.

Technical Data:

Form	Liquid Aqueous Solution
Colour	Dark Brown
Density	1.20 kg/litre approx.
pH Value	7.0 ± 1.0
Solid Content	± 42
Chloride Content	No
TEA Content	No
Packaging	5 Litres, 25 Litres, 220 Litres, Bulk deliveries
Safety:	Non Hazardous Product
Flammability:	Incombustible
Toxicity:	No toxic or irritating
Regulation:	None
Recommendations:	None
Safety precautions:	Suitable gloves and goggles should be worn to prevent contact with skin and eyes. If swallowed do not induce vomiting and seek medical help. Spillage and splashes to the skin and eyes should be rinsed immediately with plenty of clean water and seek medical advise.

Storage and shelf life:

Stored in the original sealed containers in a dry area, this product will keep for at least 18 months. Protect from direct sunlight and from frost.

Always, stir vigorously before use.

Please consult our "Technical Services".

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position.

The Unixs SARLU

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