

Addicrete ST1

Admixture for Improving the Pumpability Of Concrete.

Description:

- **ADDICRETE ST1** is a chloride free admixture used for improving the pumpability of concrete mixes without affecting the safety of reinforcement in reinforced and pre-stressed concrete.
- Complies with EN 934 - 5.

Fields of Use:

- It is used in concrete pumping.

Advantages:

- Enables the water content to perform more efficiently by causing the cement particles, which tend to agglomerate, to disperse and expose a large surface area.
- Reduces segregation and bleeding of badly graded mixes and enables them to be pumped more easily.
- Permits reduction of water, thus increases the density and compressive strength with 15 %.
- Improves the concrete pump ability without increasing the cement content.
- Improves the cohesion of the mix and creates 1 % to 2 % of air micro bubbles which increases the lubrication action and enables the concrete to be pumped at lower pressure or over greater distances.
- Improves uniformity, durability and resistance to aggressive agents.

Technical Data :(at 25°C)

Base	Selective synthetic polymer
Appearance	Brown liquid
Density	1.16 ± 0.01 kg /l
Chloride content	Nil
Air entrainment	1% to2%
Compatibility with cement	all types of cement except high alumina cement
Setting time	Slight retardation at normal dosage rates

Directions for Use:

- The measured quantity of **ADDICRETE ST 1** should be added directly into the mixer. Best results are obtained when it is added at the same time with mixing water, It can also be added to the mixing water prior to the mixing process.

Rate of Use:

- The optimum dosage is best determined by site trials with the actual concrete mix. As a guide, the rate of addition is generally in the range of 0.30 to 0.50 kg per 50 kg cement. An overdose of double the recommended rate can result in slight retardation of the initial set of concrete.
- The ultimate strength of concrete will generally not decrease.

Safety Precautions:

- **ADDICRETE ST1** is non - flammable and non - toxic.
- Wash any splashes to the eyes immediately with water.
- For accidental release use an absorbent inert material as sand, then collect up and place in suitable container.

Storage:

- 18 months under suitable storage conditions.

Packages:

- 200 kg Drums .