

# CHEMCRETE REFLOW70



Chemcrete REFLOW 70 is a blend of next generation modified polycarboxylates (PCEs) and advanced stabilisers which is designed to be used as a high performance superplasticiser/high range water reducer in very high workability, flowing concrete and SCC.

REFLOW 70 is specifically formulated to provide high water reduction and/or flowability with excellent stability and resistance to segregation. This makes it ideal for all high fluidity concretes, both in readymix and precast applications.

REFLOW 70 is particularly suitable for flowing precast applications allowing easy filling of complex formwork without segregation, bleeding or sand runs to give the perfect finish.

**Excellent Flow**  
**Very Good Stability & Slump Retention**  
**Ideal for SCC and flowing concrete**

## TECHNICAL INFORMATION

**FORM:** Liquid

**COLOUR:** Opaque Pale Yellow/Brown

**SPECIFIC GRAVITY:** 1.035 - 1.075 g/ml

**pH:** 4.5 – 6.5

**CHLORIDE CONTENT:** < 0.1% w/w

**Na<sub>2</sub>O EQUIVALENT:** <1.0% w/w

**FREEZING POINT:** 0°C

**EN934 TYPE:** BS EN 934-2 Table 3.1/3.2

## **DIRECTIONS FOR USE:**

### **DOSAGE**

Chemcrete REFLOW 70 is normally used at 0.4 – 1.2L per 100kg of cement. Trial mixes should be carried out to determine the optimum dosage rate. A dosage of 0.5% by weight of cementitious content would be a normal starting point. For SCC or very high flowability mixes, dosage can be increased, typically 0.8% and up to a maximum of 2%. For advice, contact Larsen Technical Department.

### **DISPENSING**

Chemcrete REFLOW 70 should be dispensed into the mixer after the cement(s), aggregates and water. For best results it is added after 75% of the mixing water. To ensure optimum benefit with low water cement ratio mixes, mixing times should be increased by approx. 50%. Chemcrete REFLOW 70 should never be added to the dry cement.

### **COMPATIBILITY**

Chemcrete REFLOW 70 can be used with all types of Portland cement and blended cements. It can also be used with other admixtures for example Chemcrete CF200. When used in conjunction with other admixtures, each must be dispensed separately into the concrete mix. It is always recommended to carry out trials to ensure compatibility. Please consult our Technical Department.

### **OVERDOSAGE**

Severe overdosage can cause increased workability.

### **STORAGE**

This product must be stored in closed containers protected from extremes of temperature. If the product has frozen, thaw at temperatures above +4°C and reconstitute by mechanical agitation only and carry out trials to ensure continued suitability for use.

### **SHELF LIFE**

12 months in unopened manufacturer's containers.

### **PACKAGING**

Chemcrete REFLOW 70 is supplied in 25L, 200L and bulk if required.