

Product Data Sheet  
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Identification No. CA - 13

## KEMFLOW SN 2008

High Early Strength Concrete Admixture



### Description

KEMFLOW SN 2008 is a blend of different polymers and synthetic ingredients used to produce Excellent Flowable Concrete & Mortar in placing all types of concrete and especially self compacting concrete (SCC). Complies with A.S.T.M. C494 type C & F.

### Where to use

KEMFLOW SN 2008 is used for :

- Ready Mix Concrete.
- Where high early strength is required.
- For pre-stressed concrete.
- Precast concrete elements

### Advantages

KEMFLOW SN 2008 provides the following:-

- Improvement in workability to produce Self Compacting Concrete (S.C.C).
- Accelerated strength for early shutter removing.
- For high quality finishing.
- Increase Water impermeability
- Compatible with all types of Portland cement
- > 20% water reduction.

### Properties

Colour	Brown
Specific Gravity at 20°C	1.21 ± 0.005 a
Type	blend of PC polymers

#### **Cohesion/ Segregation:**

Improved dispersion of the cement particles will increase cohesion, flowability and S.C.C consistency.

#### **\*Blending of pozzolans and cement is recommended for Designing S.C.C.**

Durability : When KEMFLOW SN 2008 is used for water reduction the increase in density and reduction of permeability, improves durability and reduces porosity.

### How to use

#### **Dosage:**

The optimum dosage for KEMFLOW SN 2008 should be determined by site trials with the particular concrete mix for S.C.C under prevailing ambient conditions. Site trails should always be compared with and without KEMFLOW SN 2008 to quantify the true value of increase in workability and or strength gain. As a guide, the dosage will fall into one of two ranges dependent on use: 0.8 – 3 % by weight of cement.

#### **Overdosing:**

An over dose of double the recommended amount of KEMFLOW SN 2008 will result in very high workability and some retardation will occur. The ultimate compressive strength of the concrete will not be impaired.

#### **Dispensing:**

The correct quantity of KEMFLOW SN 2008 should be measured by means of an appropriate dispenser. The measured quantity of admixture should be added directly to the concrete with the mixing water where possible. The plasticizing effect or water reduction is higher. If the admixture is added to the concrete after 60-75% of the mixing water has been added. The addition of KEMFLOW SN 2008 to the dry aggregate of cement is not recommended.

#### **Mixing:**

When flowing concrete is to be used, the dosing should be based on high cohesion pump mix technology. Where maximum economy is required via cement saving and free water content reduction the fines content should always be as (low) as possible to allow the remaining free water to act more efficiently.

#### **Curing:**

As with all structural concrete, normal curing methods apply. Water spray, wet hessian or one of the KEMCURE spray applied surface contact curing membranes should be used in all cases.

**Cleaning:** Spillage of KEMFLOW SN 2008 can be removed with water.

#### **Packaging:**

20 and 220 kg drums.

#### **Storage:**

KEMFLOW SN 2008 has a maximum shelf life of 12 months at recommended conditions.

### Health and Safety

- KEMFLOW SUPER.FN is non-toxic. Any splashes to the skin should be washed immediately with water.
- Splashes to the eyes should be washed immediately with water and medical advice should be sought

### Additional Information

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range.

For our customer's satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.