

Product Data Sheet  
Edition 07.2008  
Identification No. CA - 8



## KEMFLOW 2008 R

High range water-reducing and set retarding concrete admixture

### Description

KEMFLOW 2008 R is a highly effective super plasticizer with a set-retarding effect for producing free-flowing concrete in hot climates. It is also a substantial water reducing agent for promoting high early and ultimate strengths.  
Complies with A.S.T.M. C-494 Type G.

### Where to use

- KEMFLOW 2008 R is used wherever high quality concrete is required under difficult placing and climatic conditions.
- KEMFLOW 2008 R should be added to the mixing water, but never added to the dry aggregate or cement.
- The plasticizing effect and water reduction and higher if KEMFLOW 2008 R is added after the addition of 60 – 75% of the mixing water has been added .

### Advantages

KEMFLOW 2008 R provides the following advantages :

#### **Super-plasticizer effect :**

- Substantial improvement in workability without increased water or the risk of segregation.
- Long-lasting control of slump loss.
- No adverse effect on ultimate strengths.

#### **Water reducer effect :**

- Used as a water reducing agent leading to high early strength
- Up to 18% water reduction.
- Especially suitable for hot climate, no excessive air-entrainment.
- No adverse shrinkage effect.
- Improved surface finish.
- Increased water lightness.

### Technical Data

Base	Blended organic polymers
Colour	Brown
Specific gravity at 23°C.	1.18 ± 0.02 Nil

### How to use

#### **Dosage :**

0.5 – 2 % by weight of cement. Exact dosage rates are dependent on the type of effect sought, quality of cement and aggregates, water/cement ratio and ambient temperature. Therefore, it is advisable to carry out trial mixes.

KEMFLOW 2008 R is compatible with all types of Portland cement, including S.R.C.

#### **Direction for Use:**

- KEMFLOW 2008 R should be added to the gauged water, but never to the dry aggregate or cement.
- Reduction of water is higher if the admixture is added to the concrete after 60-75% of the mixing water has been added.
- When accidental overdosing occurs, the set retarding effect increases. During this period the concrete must be kept moist in order to prevent premature drying out.

#### **Packaging:**

Available in 5, 25 kg. pails or 220 kg. drums.

#### **Storage:**

12 months when stored in accordance with manufacturer instructions.

### Health and Safety

- KEMFLOW 2008 R 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