



Product Data Sheet  
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## KEMFLOW GM\*

High Range Water-Reducing And Set Retarding Concrete Admixture

### Description

**KEMFLOW GM\*** is a highly effective super plasticizer with a set-retarding effect for producing free-flowing concrete in hot climates.

Complies with A.S.T.M. C-494 Type G.

### Where to use

**KEMFLOW GM\*** is used wherever high quality concrete is required under difficult placing and climatic conditions.

**KEMFLOW GM\*** is used to

- Retain workability during hot climates and in delay of transportation.
- Long transport conditions.
- Increases high early strength, surface hardness and density.
- Ready - mixed concrete .
- Production of flowing concrete.

### Advantages

**KEMFLOW GM\*** 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.

### Properties

Base	.Blended organic polymers
Color	Brown
Specific gravity .at 23°C	1.185± 0.01
PH Value	8±2 at 23°C
Chloride content	Nil

### How to use

#### **Theoretical dosage rate:**

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 GM\*** is compatible with all types of Portland cement, including S.R.C.

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

- **KEMFLOW GM\*** 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.
- **KEMFLOW GM\*** should be added to the mixing water, but never added to the dry aggregate or cement.

#### **Packaging:**

Available in 25 kg. pails or 220 kg. drums .and tanks 1000 kg.

#### **Shelf life & Storage:**

12 months when stored in accordance with manufacturer instructions.

### Health and Safety

- **KEMFLOW GM\*** 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