

Product Data Sheet
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KEMFLOW SUPER G18

High range water-reducing and set retarding concrete admixture

Description

KEMFLOW SUPER G18 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 SUPER G18 is used wherever high quality concrete is required under difficult placing and climatic conditions.
KEMFLOW SUPER G18 should be added to the mixing water, but never added to the dry aggregate or cement. The plasticizing effect and water reduction is higher if **KEMFLOW SUPER G18** is added after the addition of 60 – 75% of the mixing water has been added

Advantages

KEMFLOW SUPER G18 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.
Colour	Brown
Specific Gravity at 23°C.	1.18 ± 0.02
Chloride Content	Nil

How to use

Dosage:

0.5 – 1.5 % 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 SUPER G18 is compatible with all types of Portland cement, including S.R.C.

Direction for Use:

KEMFLOW SUPER G18 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 SUPER.F20** 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.