

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. For long transportation time. To increase high early strength, surface hardness and density. To produce flowable ready-mixed 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 reducing 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 tightness.
Properties	
Base	Blended organic polymers
Color	Brown
Specific gravity @ 23 °C.	1.185 ±0.01
PH Value	8 ±2 @ 23 °C
Chloride content	NIL
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.
Theoretical dosage	0.5 – 2 % by weight of cement. Exact dosage rate depends 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.

Packaging	25 Kg Pails 220 Kg Drums 1000 Kg Tanks
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 reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.