

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 and mortar for all types of concrete and especially self-compacting concrete (SCC). It accelerates the early stages of cement hydration to produce more rapid stiffening concrete. Standards: Complies with ASTM. C494 type G&F.
Where to use	Kemflow SN 2008 is used as superplasticizer for high early strength, self-compacting concrete (SCC) and high quality flowable concrete. Kemflow SN 2008 is used for: • Complicated formwork or congested reinforcement. • Pre-stressed concrete. • Steam cured concrete. • Precast concrete elements where high early strength is required. • Low water cement ratio concrete • Beams and foundations.
Advantages	Kemflow SN 2008 provides the following: - • Improvement in workability to produce Self Compacting Concrete (S.C.C). • Accelerate strength for early shutter removing. • High quality finishing. • Slower the rate of carbonation due to high impermeable concrete. • Increase concrete impermeability. • Compatible with all types of portland cement. • > 20% water reduction. • Improve dispersion of the cement particles which will increase cohesion, flowability and S.C.C consistency. • Durability. when Kemflow SN 2008 is used for water reduction, this increase in density and reduction of permeability, improves durability and reduces porosity.
Properties	
Nitrate content	Nil
Color	Brown
Specific gravity	1.2 ±0.01 at 20 °C
Chloride content	Nil to BS. 5075
Dispensing	The correct quantity of admixture should be measured by a calibrated dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best results.
Direction for use	Kemflow SN 2008 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.

Curing	PROKEM recommends the concrete be cured for 24 hours after finishing operations are complete by using Kemcure curing compound.
Job site mixing	Add the Kemflow SN 2008 Concrete admixture to the concrete truck and let drum rotate for 7 minutes before discharge.
Compatibility	Other admixtures may be used in the same concrete batch with Kemflow SN 2008 provided that such admixtures are added separately and the combination has no deleterious effect on the concrete.
Cleaning	Spillage of Kemflow SN 2008 can be removed with water.
Theoretical Dosage	0.8 – 3 % by weight of cement 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 SN2008 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 depends on the consumption needed.
Overdosing	An overdose of Kemflow SN 2008 will result in an increase in retardation as compared to that normally at the intended dosage. The effect of overdosing will be further increased if sulphate resisting cement or cement replacement materials are used. however, no excessive amounts of air will be entrained.
Packaging	25 Kg pails. 220 kg drums. 1000 kg.
Shelf life & Storage	Up to one year when stored in original unopened package away of direct sunlight and kept under cover protected from high temperature.
Health and Safety	Kemflow SN2008 is non-toxic. Use gloves to avoid contact with skin. If skin comes in contact, wash immediately with soap and water. Do not use solvents. Eye contamination must be immediately washed with water, then seek medical treatment.
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. Environmental Considerations: Kemflow SN 2008 Admixture is environmentally safe and contains no volatile organic compounds (VOCs). Kemflow SN 2008 Admixture contains an anti-microbial biocide to inhibit mold and bacteria growth.