

Kemproof C

Integral Liquid Water Proofer for Concrete

Description	Kemproof C is a high-performance permeability reduction admixture for concrete. It combines profiling materials with powerful water reducing agents and water proofing chemicals. The pores are filled with insoluble crystals and the cement particles are more thoroughly dispersed and hydrated to improve impermeability against high water pressure. Standards: according to ASTM C-494 Type A.
Where to use	Kemproof C is recommended for use in water - retaining structure such as: • Mass concrete. • Dams, reservoirs, etc. • Below ground waterproofing e.g., basements and car parks. • Swimming pools and water tanks. • Above ground waterproofing e.g., floor topping and cement renders. • Canals and sewage work.
Advantages	• Kemproof C improves concrete resistance to water penetration under conditions of hydrostatic pressure. • Improve workability and plasticity without increased water content • Cement renders are more easily applied. • Improves concrete strength. • Non-toxic and no harmful effects. • Will not corrode steel reinforcement. • No premixing of the material. • Used with all types of Portland cement. • Compatible with other admixtures. • Improved water tightness
Properties	
Nitrate content	Nil
Color	Red Brown
Specific gravity	1.05 ± 0.02
Chloride content	Nil to BS. 5075.
Freezing point	-10 °C
Dispensing	The correct quantity of admixture should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best results.
Direction for use	Kemproof C 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 50-75% 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. spray applied surface contact curing membranes should be used in all cases.

Job site mixing	Add the Kemproof C 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 Kemproof C provided that such admixtures are added separately and the combination has no deleterious effect on the concrete.
Cleaning	Spillage of Kemproof C can be removed with water.
Theoretical Dosage Rate	0.5% by weight of cement per cubic meter Kemproof C is compatible with all types of Portland Cement including S.R.C...
Overdosing	An overdose of Kemproof C will result in an increase in retardation as compared to that normally at the intended dosage. The effects 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	Available in 25 Kg Pails & 220 Kg Drums and Tanks 1000 Kg.
Shelf life & Storage	Up to one year when stored in original unopened packaging out of direct sunlight and kept under cover protected from extremes temperature
Health and Safety	• Kemproof C 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 Kemproof C Admixture is environmentally safe and contains no volatile organic compounds (VOCs). Kemproof C Admixture contains an anti-microbial biocide to inhibit mold and bacteria growth.