

# Kemflow XR17

Water Reducing and Retarding Concrete Admixture

Description	<b>Kemflow XR 17</b> is a liquid set retarding concrete admixture with a powerful plasticizer effect. Substantial water reduction can be achieved without loss of workability. Standards: Complies with A.S.T.M. C 494 Types A, B & D. s
Where to use	<p><b>Kemflow XR 17</b> is used where high-quality concrete is required in difficult conditions, such as:</p> <ul style="list-style-type: none"> <li>• High concrete temperatures.</li> <li>• Fair faced concrete.</li> <li>• Difficult placing conditions.</li> <li>• Long transport distances.</li> <li>• A set retarding agent to maintain workability and extend the time allowed for pouring and compacting, particularly in hot weather.</li> <li>• Pumped concrete.</li> <li>• To improve durability</li> </ul>
Advantages	<p><b>Kemflow XR17</b> provides the following properties:</p> <ul style="list-style-type: none"> <li>• High slump loss control at high temperature.</li> <li>• Improves workability without increases water content.</li> <li>• Increases strengths, reducing shrinkage and creep.</li> <li>• Improves surface finish.</li> <li>• Reduces water up to 12% without loss of workability.</li> <li>• Minimizes the risk of segregation</li> </ul>
Properties	
Type	Modified lingo-Sulphonate
Color	Brown
Specific gravity	1.165 ±0.01
Chloride content	Nil
Dispensing	<p>The correct quantity of admixture should be measured by means of a recommended dispenser.</p> <p>The admixture should then be added to the concrete with the mixing water to obtain the best results.</p>
Direction for use	<p><b>Kemflow XR17</b> should be added to the gauged water, but never to the dry aggregate or cement.</p> <p>Reduction of water is higher if the admixture is added to the concrete after 60 - 75% of the mixing water has been added.</p>
Curing	<b>PROKEM</b> 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 <b>Kemflow XR17</b> 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 <b>Kemflow XR17</b> provided that such admixtures are added separately and the combination has no deleterious effect on the concrete.
Cleaning	Spillage of <b>Kemflow XR17</b> can be removed with water.
Theoretical Dosage Rate	<p>0.2 – 0.8 % by weight of cement.</p> <p>Actual dosage rate required depends on:</p> <p>Effect needed</p> <p>Quality of cement and aggregates</p> <p>Water: cement ratio.</p> <p>Temperature.</p> <p>In many cases it is advisable to carry out trial mixes.</p> <p><b>Kemflow XR17</b> is compatible with all types of Portland Cement including S.R.C...</p>

Overdosing	<ul style="list-style-type: none"> <li>• An overdose of <b>Kemflow XR17</b> will result in an increase in retardation as compared to that normally at the intended dosage.</li> <li>• The effect of overdosing will be further increased if Sulphate resisting cement or cement replacement materials are used.</li> <li>• however, no excessive amounts of air will be entrained.</li> </ul>
Packaging	Available in 25 Kg Pails or 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	<ul style="list-style-type: none"> <li>• <b>Kemflow XR17</b> is non-toxic.</li> <li>• Use gloves to avoid contact with skin.</li> <li>• If skin comes in contact, wash immediately with soap and water.</li> <li>• Do not use solvents.</li> <li>• Eye contamination must be immediately washed with water, then seek medical treatment.</li> </ul>
Additional Information	<p><b>PROKEM</b> 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.</p> <p><b>PROKEM</b> designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction.</p> <p><b>PROKEM</b> reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current term of sale &amp; delivery.</p> <p>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.</p> <p><b>PROKEM</b> extends technical services to include after sales support to assist users in a proper handling of our products.</p> <p><b>Environmental Considerations:</b></p> <p><b>Kemflow XR17</b> Admixture is environmentally safe and contains no volatile organic compounds (VOCs).</p> <p><b>Kemflow XR17</b> Admixture contains an anti-microbial biocide to inhibit mold and bacteria growth.</p>