



# NanoCrete 1234

## Water reducing & set retarding concrete admixture

<b>Description</b>	NanoCrete 1234 is a water reducing and retarding admixture based on polycarboxylate for concrete. This versatile admixture will help to produce predictable concrete and provide the right amount of retardation for mixing, transporting, placing and finishing. NanoCrete 1234 reduces “water of convenience” which will reduce shrinkage, increases compressive strength and reduces permeability. NanoCrete 1234 contains no added chlorides and will not promote corrosion of steel.								
<b>Primary applications</b>	<ul style="list-style-type: none"> <li>• Flatwork concrete</li> <li>• Architectural concrete</li> <li>• General purpose ready mixed concrete</li> <li>• Mass concrete</li> <li>• Bridge decks</li> <li>• Hot weather concreting</li> </ul>								
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Improves workability</li> <li>• Reduces water requirement</li> <li>• Extends setting times</li> <li>• Increases compressive strength</li> <li>• Reduces permeability</li> <li>• Improves finished appearance</li> <li>• Reduces shrinkage</li> <li>• Increases durability</li> <li>• Non-staining</li> </ul>								
<b>Specifications</b>	Complies with ASTM C-494, Type A & D.								
<b>Packaging</b>	210 Ltr. drums, 1000 Ltr. totes and bulk.								
<b>Storage</b>	Store in a dry and cool place below 35°C. Protect from direct sunlight.								
<b>Shelf life</b>	12 months if stored properly in original unopened packaging.								
<b>Properties</b>	<table> <tr> <td>Appearance:</td> <td>Brown/ clear liquid</td> </tr> <tr> <td>Specific gravity:</td> <td>1.00 ± 0.01 at 20°C</td> </tr> <tr> <td>Chloride content:</td> <td>Nil to BS 5075</td> </tr> <tr> <td>Air entrainment:</td> <td>Less than 2% at normal dosage.</td> </tr> </table>	Appearance:	Brown/ clear liquid	Specific gravity:	1.00 ± 0.01 at 20°C	Chloride content:	Nil to BS 5075	Air entrainment:	Less than 2% at normal dosage.
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<b>Instruction for use</b>	<p><b>Dosage:</b> 0.3-0.8 Ltr/ 100kg of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.</p> <p><b>Dispensing:</b> NanoCrete 1234 should be added to gauging water prior to its addition to the dry mix concrete.</p> <p><b>Placing:</b> The standard rules of good concreting practice for production and placing must be observed when using NanoCrete 1234 concrete.</p> <p><b>Curing:</b> Fresh concrete must be cured properly. Use NanoCure or wet hessian.</p> <p><b>Compatibility:</b> NanoCrete 1234 is compatible with all types of cement.</p> <p><b>Effect of over dosing:</b> When accidental overdosing occurs, the retardation of initial set air content and workability increases. During this period the concrete must be kept moist in order to prevent premature drying out.</p>								
<b>Technical Support</b>	Nano Vision offers technical support, services to consultant, end users and contractors. We also provide technical assistance on site.								
<b>Cleaning &amp; Disposal</b>	All tools and equipment should be washed with water immediately after use. Do not dispose of into water or soil but according to local regulations.								
<b>Precautions/Limitations</b>	Do not allow freezing. Shake well before use.								
<b>Health &amp; safety</b>	In case of contact with the skin, wash immediately with soap and water; In case of contact with the eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately, do not induce vomiting. Skin barrier cream, safety goggles and rubber gloves are recommended.								