



# NanoCrete 1678

High range water reducing & accelerated hardening concrete admixture

<b>Description</b>	NanoCrete 1678 is a polycarboxylate base accelerating and water reducing admixture for concrete. It improves the plastic and hardened properties of concrete such as workability, compressive and flexural strengths. It is a selected polymer technology based material, specially designed for cold weather concrete.						
<b>Primary applications</b>	<ul style="list-style-type: none"> <li>• Cold weather concreting</li> <li>• Structural concrete</li> <li>• Concrete block</li> <li>• Concrete pipe and many pre-cast items</li> </ul>						
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Increased high early &amp; ultimate strength</li> <li>• Ideal for fast form stripping</li> <li>• Cuts construction cost - no cold weather delays</li> <li>• Densifies concrete</li> <li>• Minimizes bleeding and segregation</li> </ul>						
<b>Specifications</b>	Complies with ASTM C-494 Type F.						
<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> </table>	Appearance:	Brown / Clear liquid	Specific gravity:	1.00 ± 0.01 at 20°C	Chloride content:	Nil to BS 5075.
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<b>Instruction for use</b>	<p><b>Dosage:</b> 0.8-2.0 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 1678 should be added to gauging water prior to its addition to the dry mix concrete or separately to the freshly mixed concrete. When added separately to the freshly mixed concrete further mixing time of 2-3 minutes should be given.</p> <p><b>Placing:</b> The standard rules of good concreting practice for production and placing must be observed when using NanoCrete 1678 concrete.</p> <p><b>Curing:</b> Fresh concrete must be cured properly. Use NanoCure or wet hessian.</p> <p><b>Compatibility:</b> NanoCrete 1678 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. carried out in accordance with local legislation under the guidance of the local waste regulatory authority.						