



NanoGuard L

Integral water proofing liquid admixture for concrete

Description	NanoGuard L is a balanced blend of water repellants and other chemicals which, when used as an admixture, forms an internal barrier against water penetration. NanoGuard L also increases the plasticity of concrete, reduces water absorption and thereby guards against freeze-thaw damage. It is available in liquid formula for additional densification and acceleration of the concrete. NanoGuard L will not increase the air content of concrete.										
Uses	Waterproofing admixture for all types of concrete										
Advantages	<ul style="list-style-type: none"> • Concrete water proofer • Improved durability • Reduced secondary efflorescence • Reduction in the water cement ratio will result in an increase in the compressive strength without the use of other admixtures or the loss of work ability. • Inhibits growth of mold and mildew Improved color integrity. 										
Specifications	Complies with ASTM C-494, Type G.										
Properties	<table> <tr> <td>Specific Gravity</td> <td>1.17 ± 0.01 @20° C</td> </tr> <tr> <td>Color</td> <td>Brown Liquid</td> </tr> <tr> <td>Chloride contents</td> <td>Nil</td> </tr> <tr> <td>PH value</td> <td>7-8</td> </tr> <tr> <td>Air entrainment</td> <td>Less than 2% at normal dosage.</td> </tr> </table>	Specific Gravity	1.17 ± 0.01 @20° C	Color	Brown Liquid	Chloride contents	Nil	PH value	7-8	Air entrainment	Less than 2% at normal dosage.
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Packaging	210 Ltr drums, 1000 Ltr totes and bulk.										
Storage	Store in a dry and cool place below 35°C. Protect from direct sunlight.										
Shelf life	12 months if stored properly in original unopened packaging.										
Instruction for use	<p>Dosage: 0.6- 1.5 Ltr/ 100 kg of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.</p> <p>Dispensing: NanoGuard L should be added to gauging water prior to its addition to the dry mix concrete.</p> <p>Placing: The standard rules of good concreting practice for production and placing must be observed when using NanoGuard L concrete.</p> <p>Curing: Fresh concrete must be cured properly. Use NanoCure or wet hessian.</p> <p>Compatibility: NanoGuard L is compatible with all types of cement. NanoGuard L is not only waterproofing but also high range of water reducing admixture, so no need to use other admixture.</p> <p>Effect of overdosing: When accidental overdosing occurs, the retardation of initial set air content and work ability increases. During this period the concrete must be kept moist in order to prevent premature drying out.</p>										
Cleaning & Disposal	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.										
Precautions/Limitations	Do not allow freezing. Shake well before use.										
Health & safety	NanoGuard L is mildly alkaline, Wear suitable protective gloves and goggles. In case of contact with the skin, wash immediately with soap and water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.										