



NanoPlast SP456

High range water reducing & slump retaining concrete admixture

Description	NanoPlast SP456 is a ready to use naphthalene based, high range water-reducing and slump retaining admixture for concrete. NanoPlast SP456 increases early concrete strength as well as ultimate strength. NanoPlast SP456 can be used to produce increased concrete slump or to significantly reduce water demand for a specific slump.								
Primary applications	<ul style="list-style-type: none"> • High performance concrete • Self-compacting concrete • Precast concrete • Low water/cement ratio concrete • High early & ultimate strength applications 								
Advantages	<ul style="list-style-type: none"> • Substantial improvement in workability with out increased water • Long-lasting control of slump loss • Provides high early strength for fast form stripping • Specially suitable for hot climates • Densifies concrete • Minimizes bleeding and segregation 								
Specifications	Complies with ASTM C-494, Type G.								
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.								
Properties	<table> <tr> <td>Appearance:</td> <td>Brown liquid</td> </tr> <tr> <td>Specific gravity:</td> <td>1.19 ± 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 liquid	Specific gravity:	1.19 ± 0.01 at 20°C	Chloride content:	Nil to BS 5075	Air entrainment:	Less than 2% at normal dosage.
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Instruction for use	<p>Dosage: 0.6-2.0 Ltr/100kg of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.</p> <p>Dispensing: NanoPlast SP456 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>Placing: The standard rules of good concreting practice for production and placing must be observed when using NanoPlast SP456 concrete.</p> <p>Curing: Fresh concrete must be cured properly. Use NanoCure or wet hessian.</p> <p>Compatibility: NanoPlast SP456 is compatible with all types of cement.</p> <p>Effect of over dosing: 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>								
Technical Support	Nano Vision offers technical support, services to consultant, end users and contractors. We also provide technical assistance on site.								
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	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.								