



NanoPlast PR234

Water reducing, set retarding concrete admixture

Description	NanoPlast PR234 is a water reducing and retarding admixture for concrete. This versatile admixture will help to produce predictable concrete and provide the right amount of retardation for mixing, transporting, placing and finishing. NanoPlast PR234 reduces “water of convenience” which will reduce shrinkage, increases compressive strength and reduces permeability. NanoPlast PR234 contains no added chlorides and will not promote corrosion of steel.								
Primary applications	<ul style="list-style-type: none"> • Flatwork concrete • Architectural concrete • General purpose ready mixed concrete • Mass concrete • Bridge decks • Hot weather concreting 								
Advantages	<ul style="list-style-type: none"> • Improves workability • Reduces water requirement • Extends setting times • Increases compressive strength • Reduces permeability • Improves finished appearance • Reduces shrinkage • Increases durability • Non-staining 								
Specifications	Complies with ASTM C-494, Type A & D.								
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>1.15 ± 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:	1.15 ± 0.01 at 20°C	Chloride content:	Nil to BS 5075	Air entrainment:	Less than 2% at normal dosage.
Appearance:	Brown liquid								
Specific gravity:	1.15 ± 0.01 at 20°C								
Chloride content:	Nil to BS 5075								
Air entrainment:	Less than 2% at normal dosage.								
Instruction for use	<p>Dosage: 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>Dispensing: NanoPlast PR234 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 NanoPlast PR234 concrete.</p> <p>Curing: Fresh concrete must be cured properly. Use NanoCure or wet hessian.</p> <p>Compatibility: NanoPlast PR234 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.								