NanoCrete 1567

High performance. Slump retaining & accelerated hardening concrete admixture

Description

NanoCrete 1567 is a ready to use polycarboxylate based, high range water-reducing admixture for concrete. NanoCrete 1567 increases early concrete strength as well as ultimate strength. NanoCrete 1567 can be used to produce increased concrete slump or to significantly reduce water demand for a specific slump. NanoCrete 1567 can be added at the plant or job site and is compatible with other admixtures. NanoCrete 1567 contains no added chlorides.

Primary applications

- Cold weather concreting
- Hot weather concreting
- Structural concrete
- Bridges
- High strength concrete
- Self compacting concrete (SCC), super workable flowing concrete and high workability concrete.
- Extremely fluid, flowing concretes can be produced at very low water to cement ratios providing ease of mould filling and less workmanship where access or dense reinforcement can be a challenge.

Advantages

- Improves finish ability
- Improves workability
- Reduces water requirement
- Improves setting times
- Superior slump retention
- Increases early and late age strengths
- Reduces permeability
- Increases durability

Specifications

Complies with ASTM C-494 Type F & 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

Appearance:	Brown/clear liquid
Specific gravity:	1.04 ± 0.01 at 20°C
Chloride content:	Nil to BS 5075.

Instruction for use

Dosage: 0.5-2.0 Ltr/100kg of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.
Dispensing: NanoCrete 1567 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.
Placing: The standard rules of good concreting practice for production and placing must be observed when using NanoCrete 1567 concrete.
Curing: Fresh concrete must be cured properly. Use NanoCure or wet hessian.
Compatibility: NanoCrete 1567 is compatible with all types of cement.
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.

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.