

ALEXPLAST G10000N



High Range Water Reducing and Set Retarding Superplasticizer

Description

ALEXPLAST G10000N is a synthetic super Plasticizer high water reducing and retarding Admixture for concrete. It contains a powerful super plasticizer that aggressively disperses cement particles which enabling the mixing water to perform more efficiently so it facilitates concrete transported and casted with little vibration.

Uses

ALEXPLAST G10000N is used wherever high-quality concrete is demanded under difficult placing and climatic conditions and also in the following uses:

- To reduce permeability.
- Casting in hot climates.
- Ready mixed concrete.
- To produce high workability concrete.
- Pumped concrete.

Advantages

ALEXPLAST G10000N provides the following properties:

- Aids pumping by reducing line friction.
- Increases cohesion, minimizes segregation and bleeding and gives improved surface finish.
- High quality surface finish.
- Increases density and reduces porosity resulting in improved water penetration resistance.

- Produces water proofing concrete.
- Chloride free.
- Eliminates shrinkage.
- Improves physical properties for concrete.
- Improves durability.

Standards

ALEXPLAST G10000N complies with ASTM C494 Type G
BS 5075 Part 3

Properties

Colour	Dark Brown liquid	
Specific gravity	1.20 ± 0.02	20°C
Chloride content	Nil	
Water Reduction	Reduction up to 28% can be reached depending on materials used and mix design	
Toxicity	Non-Toxic	
Compatibility	ALEXPLAST G10000N is compatible with all types of Portland cements including SRC and other ALEXPLAST admixtures. Can be used with silica fume and other pozzolanic materials.	
Durability	When ALEXPLAST G10000N is used for water reduction the increase in density and reduction of permeability improved durability and reduces porosity hence increase water proofing properties also resist salts which attack concrete.	

Direction for use:

- **ALEXPLAST G10000N** should be added to the mixing water prior to addition to the dry mix
- Never add **ALEXPLAST G10000N** to dry cement or aggregate.
- Reduction of water is higher if the admixture is added to the concrete after 60-75% of the mixing water has been added.
- No extension to normal mixing time is necessary.

Dosage:

Approximately 0.5-2.7 % by the weight of used cement.

Actual dosage rate of **ALEXPLAST G10000N** Depends on: -

- Water/Cement ratio.
- Quality and type of cement and aggregates.

In all cases we recommended that trial mixes are carried out to determine the exact rate required.

Packaging:

ALEXPLAST G10000N Is supplied in 20 lit, 210 lit drums or 1000 lit bulks.

Guarantee:

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

Technical Service:

For any technical advice for using the **ALEXCHEM** contact the technical office.

Shelf life:

Up to 12 months when stored as recommended.

Storage:

Store in closed shaded dry area, out of direct sunlight and protect from extremes of temperature.

Safety precaution:

- Avoid contact with eyes, mouth skin, and follow by washing soap and water. And any eye contamination should be washed thoroughly with plenty of water and immediate medical treatment sought.