

ALEXPLAST D40

Water Reducing Admixture



Description

ALEXPLAST D40 is a high water reducing and retarding admixture for concrete. Formulated from synthetic organic chemicals For retarding the initial and final setting that aggressively disperses cement particles which enabling the mixing water to perform more efficiently so it facilitate concrete transported and casted with little vibration.

Uses

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

Advantages

- Improve physical properties for concrete.
- Increase density and reduces porosity resulting in improved water penetration resistance.
- High quality surface finish.
- Produce water proofing concrete.
- Eliminate shrinkage.
- Free from chlorides, nitrades.
- Increase cohesion, minimizes segregation and bleeding and gives improved surface finish.
- Non toxic as it is water based.

- Compatible with all type of ordinary and sulphate resistant cement.
- Compatible with ALEXCHEM other additives(Contact our technical office).

Standards

ALEXPLAST D40 complies with ASTM C494 Types A, B, D BS5075 PART 1

Properties

Colour	Dark Brown liquid	
Specific gravity	1.12±0.02	20°C
Chloride content	Nil	
Water Reduction	Reduction up to 15% can be reached depending on materials used and mix design	
Compatibility	Can be used with all types of Portland cements	
Durability	When ALEXPLAST D40 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.	

Guide to Application

Application

ALEXPLAST D40 should be added to the mixing water prior to addition to the dry mix

Coverage:

Approximately 0.5-2.0 % by the weight of used cement.

A site trial should be carried out to confirm the mix design.

Packing:

Is supplied in 20 lit, 210 lit drums, 1000 lit bulks.

Shelf life:

Up to 12 month when stored as Recommended

Storage:

Should be stored in shaded areas

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.

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.

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