

ALEXPLAST E10



Water Reducing Admixture – Setting Accelerator

Description

ALEXPLAST E10 is based on a blend of inorganic and synthetic materials. It is free from chloride which formulated to reduce water, accelerate the hydration of cement and improve workability of concrete.

Uses

- Early Finish for concrete surface.
- When reducing the W/C ratio is required to reach high compressive strength.
- In precast concrete.
- In prestressed concrete.
- When early and ultimate strength is required.
- When fast hardening for concrete is required.

Advantages

- Non toxic, non flammable.
- Aids pumping by reducing line friction.
- Early finishing of the slabs.
- Increase density and reduces porosity resulting in improved water penetration resistance.
- Increase cohesion, minimizes segregation and bleeding and gives improved surface finish.
- Early use of concrete structure.

- Improve physical properties for concrete.
- Increase water proofing properties as it decrease the permeability.

Standards

ALEXPLAST E10 complies with
ASTM C494 Types E
BS 5075 PART 1

Properties

Colour	Dark Brown liquid	
Specific gravity	1.19	20°C
Chloride content	Nil	
Nitrate content	Nil	
Air content	Less than 2%	

Typical results for samples @20°C having 400 kg/m ³ cement content			
Air content (%)	Dosage	W/C	Slump mm
1.1		0.6	75
1.2	1	0.55	Collapse

Compressive strength (N/MM ²)				
	1 Day	3 Day	7 Day	28 Day
Control	12	25	30	42
ALEXPLAST E10	22	32	38	47

Guide to Application

Mixing:

ALEXPLAST E10 should be added to the mixing water prior to dry mix added.

Coverage:

0.5 to 2.0 lit per 100 kg of used cement
The optimum dosage for **ALEXPLAST E10** should be determined by site trials with the particular concrete mix under prevailing conditions.

Packing:

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

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 month when stored as recommended

Storage:

Should be stored in shaded areas and is kept within the range 2 °C to 50 °C

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.

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