

# ALEXPLAST PC-22



Polycarboxylic ether based superplasticizer

## Description

**ALEXPLAST PC-22** is third generation super plasticizer for concrete and mortar, free of chloride and low alkali based on modified polycarboxylic ether, used when high early strength, super surface finish and high concrete quality is required.

## Uses

Used for :

- Ready mix concretes.
- Prestressed concrete.
- Self compacting concrete.
- In concrete industry.

## Advantages

- Allow concrete production at low temperature.
- Easier placing and faster strength Development.
- Improved water impermeability.
- Excellent flowability.
- Less workmanship required.
- Less vibration required.
- Increase initial and final compressive strength.
- Increase adhesion to reinforcement and pre-stressed steel.
- Allows reduction of curing cycle.
- Suitable for the production of self compacting concrete.
- Increase resistance to aggressive atmospheric conditions.
- Minimize Creep.
- Minimize Shrinkage.

## Compatibility

**ALEXPLAST PC-22** is Suitable for mixes containing:

- Fly Ash
- Silica Fume
- Compatible with all types of Portland cement

## Standards

**ALEXPLAST PC-22** complies with BS EN934-2, ASTM C494 Type G & F

## Properties

Colour	Whitish to Light brown
Form	Liquid
Specific gravity	1.06±0.05
PH-Value	7.5±0.05
Chloride content	Nil
Alkali content	Less than 5gm/Lit
Sulphate	Less than 1gm/Lit

## Guide to Application

### **Mixing:-**

**ALEXPLAST PC-22** is ready to use admixture to be added to the concrete mix as a separate component.

**Dosage:**

The normally recommended dosage rate is From 0.5 -3% of cement weight (blinder), depending on mix design.

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

**Packing:**

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

**Shelf life:**

Up to 12 month when stored as recommended

**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.

**Storage:**

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

**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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