

# PRO CRETE 570



## High Range Water Reducing Super Plasticizer.

### Description

- **High range water reducer** designed to obtain reholplastic concrete without Vsegregation.
- The **increase in strength**, especially evident at early ages remains at later ages, both in air cured and steam cured processes.
- **Reduces** thermal peaks.
- **Reduction of 20%** water contents whilst maintain workability, durability & impermeability.
- Increases **ultimate compressive strength** and other strength developing properties.
- Effects economies of concrete mix thereby **saving cement**.
- **Compatible** with all type of cement including sulphate resisting.
- **Improves pump-ability** of the material.
- **Improves cohesive** properties of concrete to reduce segregation & bleeding.
- Reduce the placing problems in **hot weather** concrete.
- **Improve** trowel ability & surface finish.
- **Reduces** the incidence of **honeycombing** and cold joints during vibration.
- **Reduce water contents** would be of benefit to reduce permeability.

### Recommended Applications

- **Low water cement** ratio concrete.
- **Pre-cast concrete** manufacture.
- **Ready mix** concrete.
- In complicated formwork or with **congested reinforcement**.
- In **hot weather** is extended workability.
- **Bridges and cantilever** structures.
- **Pre-stressed** concrete.
- **Floor slabs.**
- **Foundations.**
- **Walls** and Columns.
- **Beams** and slabs.
- For **fair face** results.
- For **rapid construction** and early load.

### Technical Data

• TYPE	570
• Color	Dark brown liquid
• Chloride content to BS5075:1982	Nil
• Nnitrate content	Nil
• Consumption with 100kg cement	0.8 - 1.2 %
• Specific gravity	1.16 - 1.18 @ 25 °C
• Air contents	less than 1%
• Freezing point	0°C. can be reconstituted, if stirred after thawing
• Flash point	None

### Standers:

ASTM C494: Type A & F  
BS 5075: Part 1 & 3  
WRC - Used in potable water

### Packaging:

**Supplied in:** 210 & 250 Kg drum

**Storage:** Dry; Frost free, out of direct sunlight

**Shelf life:** 24 months, when stores as above

**Hazard class:** No dangerous goods, Observe Material Safety data sheet.

### Application Details

#### Effect of over dosage:

- Retardation of initial set
- Slight increase in air contents
- Increase in workability

#### Mixing:

**Pro Crete 570** should be added to concrete during mixing cycle at same time as the water and aggregates. Never add **Pro Crete 570** to the dry cement.

#### Dispensing:

**Pro Crete 570** is introduced into the mixer together with mixing water. The plasticizing effect or water reduction is higher if the admixture is added to the concrete after 50-70% of the mixing water

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has been added. The addition of **Pro Crete 570** to dry aggregate or cement is not recommended.

## Curing:

Fresh poured concrete must be cured properly, particular at high temperatures in order to prevent plastic and drying shrinkages and cracks. Use **Pro-Tech** Curing Compounds to

achive best results or apply wet hessians.

## Caution:

**Pro Crete 570** is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the material safety data sheet.

## We Also Deals In

- Torch Applied Roofing Membrane
- Water Proofing Systems & Materials
- Construction Chemicals & PU Sealants
- Cold Applied Systems & Contractors
- Insulation Systems & Materials
- PVC Water Stops
- Epoxy flooring
- Geo Membrane
- Waterproofing Chemicals
- Self-Adhesive Membranes

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