

PRO CRETE 535



High Range Water Reducing & retarding Super Plasticizer.

Description

- **High range water reducer** designed to obtain rehoplastic concrete with slump at least 100mm, without segregation
- **Reduces** thermal peaks.
- **Reduction of 15%** 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

- **Micro silica** concrete
- **Pre-cast concrete** manufacture.
- **Ready mix** concrete
- **Long distance** transportation
- In **hot weather** to extend workability
- Bridges and **cantilever structures**
- **Pre-stressed** concrete
- **Floor slabs**
- **Foundations**
- **Walls** and columns
- **Beams** and slabs
- For **fair face** results

Technical Data

• TYPE	535
• Color	Dark brown liquid
• Chloride content to BS5075:1982	Nil
• Nitrate content	Nil
• Consumption with 100kg cement	0.5 - 1.5 %
• Specific gravity	1.18 - 1.20 @ 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, B, D, F & G

BS 5075: Part 1

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

Setting Time:

Pro Crete 535 ensures that rheoplastic concrete remains workable in excess 1 hour at +20°C. Workability loss is dependent on temperature, and on method of transport and initial workability. It is strongly recommended that concrete should be properly cured particularly in hot and dry climates.

Effect of over dosage:

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

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Mixing:

Pro Crete 535 should be added to concrete during mixing cycle at same time as the water and aggregates. Never add **Pro Crete 535** to the dry cement.

Dispensing:

Pro Crete 535 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 has been added. The addition of **Pro Crete 535** to dry aggregate or cement is not recommended.

Curing:

Fresh poured concrete must be cured properly, particularly at high temperatures in order to prevent plastic and drying shrinkages and cracks. Use **Pro-Tech** Curing Compounds to achieve best results or apply wet hessians.

Caution:

Pro Crete 535 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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