



AddiCrete

Phoenix AddiCrete is specially formulated integral liquid waterproofing compound composed of surface active plasticizing agents, polymers & additives. It is used as an additive for cement concrete, mortar & plasters. It makes concrete cohesive and prevents segregation. Standard Compliance / Specification Meets the requirements of IS:2645-2003 Areas of Application Waterproofing of concrete and sand-cement mortars used in

- Basements
- Roof slabs and screeds
- Water tanks & water retaining structures
- External plastering
- Bathrooms and balconies
- Sumps and drains

Features & Benefits

- Corrosion resistant - Makes concrete more cohesive to protects steel from corrosion.
- Compatibility - Easily dispersible & compatible with concrete/mortar mixes.
- Permeability - It reduces the permeability of water into concrete.
- Strength - The setting time and compressive strength of the concrete remains within the specification limits.
- Shrinkage - Reduces shrinkage crack development in plaster & concrete.
- Workability - Improves workability of freshly mixed cement concrete.
- Durability - Increases durability by improving waterproofing of concrete.

Method of Application

- Charge cement & aggregates to concrete mixer as per the mix design, mix in dry state for 1-2 minutes.
- Start addition of 75-80% mixing water & mix for 2-3 minutes.
- Phoenix AddiCrete is added as per the recommended dosage into the remaining mixing / gauging water, then add to concrete mixer & mix for another 2 minutes.
- Place the concrete or apply plaster, as needed.
- Cure the applied mortar or concrete as per good construction practices.

Precautions & Limitations

- Do not add Phoenix AddiCrete directly to dry cement & aggregate mix.
- Maintain water-cement ratio as low as possible.
- Do not increase the dosage of Phoenix AddiCrete than the recommendation.

Physical Properties

| <u>Property</u> | <u>Specification</u> |
|--|-------------------------------------|
| Appearance | Free Flow Liquid |
| Colour | Thixotropic Coffee |
| Non Volatile Contant | 13.5%-14.5% |
| pH Value | 9-13 |
| Setting Time Minutes | Passes as per IS:2645 : 2003 |
| Chloride Content | Max 2% as per IS:2645 : 2003 |
| Water Permeability | Passes as per IS: 2645 : 2003 |
| Compressive Strength N/mm ² | As per standards of IS: 2645 : 2003 |

Dosage

- 100ml - 200ml per 50 kg bag of cement

Packing

- 20 litres

Shelf Life & Storage

- Best before 2 years from the date manufacture when in sealed pack and stored under proper condition.
- Store in a cool & dry place.

Health & Safety Precautions

- Use rubber hand gloves & safety goggles, while using Phoenix AddiCrete.
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children

