

PRODUCT DATA SHEET

Pri IWL PLUS

EN 12004 STANDARD



INTEGRAL WATERPROOFING LIQUID

DESCRIPTION:

PRI IWL PLUS is specially formulated integral waterproofing liquid compound composed of surface active plasticising agents, polymers & additives. It is used as an additive for cement concrete, mortar & plasters. It makes concrete cohesive and prevents segregation.

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:

- **Corrosion resistant** - Makes concrete more cohesive, hence protects steel better against corrosion
- **Compatibility** – Being a liquid, 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.
- **PRI IWL PLUS** 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 **PRI IWL PLUS** directly to dry cement & aggregate mix.
- Maintain water-cement ratio as low as possible.
- Do not increase the dosage of **PRI IWL PLUS** than the recommendation.

TECHNICAL INFORMATION

Properties	Specification	Result
Appearance		Free flowing liquid
Colour		Wine red
Specific gravity @ 25°C		1.05 ± 0.02
Non-volatile content		13 ± 0.05%
pH value		11 – 13
Setting time, minutes		Initial-100; Final-185
Chloride Content	IS : 2645 : 2003	>0.0003
Water Permeability	IS : 2645 : 2003	>60 % of the control
Compressive Strength N /mm ²	IS : 2645 : 2003	As per the standard
Dosage	IS : 2645 : 2003	200 ml per 50 kg bag of cement

Packing:

5 KG & 20 KG container

Shelf Life & Storage:

Shelf life is 12 months from the date of manufacturing in unopened conditions. Store in a cool & dry place.

Health & Safety Precautions:

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