



DESCRIPTION

RI-IWC is a water reducing plasticizer for concrete. It is a lignosulfonate-based construction chemical used for integral water proofing in concrete, mortar and plaster work with high performance water proofing agent. RI-IWC is a chloride free admixture and contains surface active agents, polymer, and additives. It is used as an additive for cement concrete, mortar & plasters to make concrete cohesive by reducing cement voids /capillaries. RI-IWC conforms to IS: 2645-2003.

PRODUCT DETAILS

- | | |
|--|-----------------------|
| • Colour | : Brown Colour Liquid |
| • Specific Gravity at 27 °C | : 1.02 – 1.09 |
| • Non-Volatile Content % | : 12% - 15% |
| • PH | : 10-14 |
| • Setting Time (Minutes), As per IS 2645:2003 | : Passes |
| • Water Permeability %, as per IS 2645:2003 | : Passes |
| • Comprehensive Strength, MPa, as per IS 2645:2003 | : More than Control |
| • Chloride Content % as per IS 2645:2003 | : Nil |

DOSAGE:

200 ml per 50 kg bag of cement

APPLICATIONS:

Used as a waterproofing additive for cement concrete/mortar /plasters in -

- Basement, Roof slab, Screed.
- Water tank, terrace, floors, balconies, and bathrooms.
- Sumps, water reservoirs and drains.
- External/ Internal plaster.

FEATURES AND BENEFITS:

- Enhance durability and decrease permeability.
- Being a liquid, easily dispersible & compatible with concrete/mortar mixes.
- Reduces shrinkage crack development in plaster & concrete.
- Improves workability of freshly mixed cement concrete.
- Resist corrosion of steel.
- Chloride free

GUIDANCE FOR USE:

- RI-IWC is supplied in ready to use form.
- Charge cement & aggregates to concrete mixer as per the mix design.
- Dry mix for 2-3 minutes.
- Add 75–80% mixing water & mix for 2-3 minutes.
- Always stir the w-Shield LWC container well before use.
- Add w-Shield LWC at 2-0 ml per 50 kg bag of cement in remaining mixing water and 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.

CLEANING & DISPOSAL:

- Spillages of RI-IWC should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.
- The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

SHELF LIFE & STORAGE INSTRUCTIONS:

- 12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from 10°C to 40°C.
- Store in dry and well-ventilated place, away from heat source & direct sunlight.
- Avoid using partially used material; open drums with partially used material should be kept in a drum with its mouth closed.

PACKAGING:

RI-IWC is supplied in 1 Ltr, 5 Ltrs, 10 Ltrs , 20 Ltrs & 200 Ltrs

For more information or support or guidance, please consult our technical expert at:

RI-Bond Chem LLP

D-508, Ganesh Meridian, SG Highway, Opp. Kargil Petrol Pump, Ahmedabad (Gujarat)-380060

www.ribondchem.com | sales.support@ribondchem.com | 18003092858

Disclaimer: Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control, hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.

Other Information:

For more information or support or guidance, please consult our technical expert at our customer care no. 18003092858 or refer our website www.ribondchem.com