

HOMESURE wSHIELD LWC 200 (LIQUID)

WATERPROOFING CHAMPION 200

Advanced Integral waterproofing compound for cement mortar, plaster & concrete

Homesure wSHIELD LWC 200 is a high-performance, integral liquid waterproofing admixture formulated with advanced plasticizing agents and chemical compounds that react with water-soluble materials in concrete and mortar, converting them into stable water-insoluble compounds. It enhances cohesion, reduces permeability, and significantly improves workability and durability. The product is suitable for all types of cement-based applications requiring superior water impermeability.

TECHNICAL DETAILS (IS 2645: 2003)

Nature	: Brown colour liquid
Specific gravity @ 27°C	: 1.05 ± 0.05
pH	: > 8.00
Chloride content	: Nil (IS 6925:1973)
Sulphate content	: < 0.10%
Setting time	: Comparable with control
Water permeability	: < 50% than control
Compressive strength	: More than control

FEATURES AND BENEFITS

- ✓ Makes concrete impermeable, preventing water ingress and reducing efflorescence.
- ✓ Enhances workability and plasticity, making concrete and mortar easier to process.
- ✓ Prevents segregation and improves homogeneity.
- ✓ Saves up to 10%-15% water, increasing the strength of the structure.
- ✓ Easily soluble in water, ensuring a homogeneous mix.
- ✓ Compatible with all cement types.
- ✓ Reduces shrinkage and minimizes cracks in mortar and concrete structures.

PACKAGING

Available in

1 kg, 5 kg & 20 kg pails
50 kg & 220 kg barrels

APPLICATION AREAS

- Roof slabs and screeds
- Water tanks & water retaining structures
- External & internal plastering
- Bathrooms and balconies
- Sumps and drains
- Swimming pools
- Sewage and drainage systems

GUIDANCE FOR USE

Recommended Dosage:

200 mL per 50 kg of cement (Typical dosage). Site trials are recommended to determine the optimal dosage based on specific mix designs.

Mixing Procedure:

- Charge cement and aggregates into the concrete mixer as per mix design. Dry mix for 1-2 minutes.
- Add 75-80% of the total mixing water and mix for another 2-3 minutes.
- Pre-dilute wShield LWC 200 in the remaining 20-25% of the mixing water.
- Add the pre-diluted solution to the concrete mixer and mix thoroughly for 2 minutes.
- Place the concrete or apply plaster immediately and ensure proper compaction.
- Cure the applied mortar or concrete as per standard construction practices.

CLEANING & DISPOSAL

- Clean tools and equipment with water before the material hardens.
- Spillages should be absorbed onto sand, earth, or vermiculite and transferred to suitable containers. Remains should be hosed down with large quantities of water.
- Disposal of excess or waste material should be carried out in accordance with local regulations.

PRECAUTIONS

- Recommended dosage to be followed to achieve desired results.
- Excess dosage may lead to delay of setting time.

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 +5°C to 40°C
- Store in dry and well-ventilated place away from heat source or direct sunlight.
- Avoid using partially used material; open drums with partially used material should be kept in a drum with its mouth closed.

HEALTH & SAFETY INFORMATION

- Refer MSDS for information and advice on the safe handling, storage and disposal of chemical products.
- Use rubber hand gloves & safety goggles, while using product
- Avoid contact with skin/eyes and avoid swallowing. In case of contact with skin, wash with plenty of water.
- Ensure adequate ventilation and avoid inhalation of vapour
- Spillages of wShield LWC 200 can be removed with water. Do not use solvent to clean the contacted area.
- Keep out of reach of children.