

TECHNICAL DATA SHEET**HomeSure w-Shield Hydrolock****Integral waterproofing Powder for cement mortar, plaster & concrete**

Integral Waterproofing Powder is a specially formulated hydrophobic and pore-blocking admixture designed to reduce permeability of cementitious systems. When added to concrete or mortar, it improves resistance against water ingress by blocking capillary pores and enhancing microstructure densification without affecting normal hydration of cement.

It is recommended for RCC, plastering mortar, screeds, foundations, basements, water retaining structures, roofs, and masonry works where integral waterproofing is required.

INDICATIVE TECHNICAL DETAILS

Appearance	: Free flowing powder
Colour	: Grey
Bulk density, g/mL	: 1.20 ± 0.10
pH of 10% slurry	: 10.00 ± 1.00
Chloride content	: Nil
Setting time	: Comparable with control
Water permeability	: < 50% than control
Compressive strength	: More than control
Dosage	: 500 g /50 kg cement

APPLICATION AREAS

- RCC structural concrete
- Basement and foundation concrete
- Roof slabs and sunken slabs
- Plastering mortar (internal / external)
- Retaining walls
- Precast concrete elements

FEATURES AND BENEFITS

- ✓ Reduces water permeability and capillary absorption
- ✓ Improves watertightness of concrete and mortar
- ✓ Enhances durability of structures
- ✓ Reduces shrinkage cracks by improving cohesion
- ✓ Compatible with all types of cements
- ✓ Easy to use – directly added during batching
- ✓ Non-corrosive to reinforcement steel

GUIDANCE FOR USE

- Add the required quantity of waterproofing powder to dry cement and mix thoroughly before adding aggregates.
- Alternatively, it can be mixed with fine aggregates to ensure uniform distribution.
- Add water gradually and mix to obtain uniform consistency.
- Place, compact and cure concrete / mortar as per standard construction practice.
- Proper curing for minimum 7 days is essential to achieve best waterproofing performance.

CLEANING & DISPOSAL

- ❖ Clean the tools and equipment's before the material hardens
- ❖ Spillages of HomeSure w-Shield Hydrolock should be wiped out and transferred to suitable containers.
- ❖ 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

PACKAGING

500 g pouch & 10 kg bag

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 $+5^{\circ}\text{C}$ 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.

PRECAUTIONS

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

TECHNICAL DATA SHEET**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 HomeSure w-Shield Hydrolock can be removed with water. Do not use solvent to clean the contacted area.
- ★ Keep out of reach of children.