

CHEMFIT HYDROBLOCK WA110

Integral Waterproofing Admixture for Concrete & Mortar

PRODUCT DESCRIPTION

ChemFit HydroBlock WA110 is an integral waterproofing admixture for concrete and mortar in liquid form. It is specifically formulated to block capillaries and pores within the concrete matrix, creating a dense, impermeable structure.

PRIMARY APPLICATIONS

ChemFit HydroBlock WA110 is recommended for use in conditions such as:

- Concrete foundations and basements
- Plaster and rendering
- Roof slabs and terraces
- Water tanks and reservoirs
- Swimming pools
- Sewage and water treatment structures
- Masonry walls and blockwork

KEY FEATURES AND BENIFITS

- **Integral waterproofing** – Becomes part of the concrete matrix, not just a surface coating
- **Blocks capillaries & pores** – Reduces water permeability and absorption
- **Chloride-free** – Safe for reinforced concrete
- **For concrete & mortar** – Versatile application
- **Liquid form** – Easy to measure and dispense

PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Liquid
Color	Milky white
Specific Gravity	1.05 ± 0.02 at 25°C
pH Value	7.0 – 8.5
Chloride Content	Nil
Type	Integral waterproofing admixture

PACKAGING AND STORAGE

Packaging:

- 5 L plastic cans
- 25 L plastic drums
- 200 L steel drums

Storage:

- Store in original sealed containers at +5°C to +40°C
- Protect from direct sunlight, frost, and extreme heat

Shelf life: 12 months from date of manufacture

DOSAGE AND COVERAGE RATES

Concrete:

- Recommended dosage: 3 – 9 Liters per m³ of concrete
- Yield per 5 L can: Approx. 0.5 – 1.5 m³ of concrete
- Yield per 25 L drum: Approx. 3 – 8 m³ of concrete
- Yield per 200 L drum: Approx. 22 – 66 m³ of concrete

Mortar / Plaster:

- Recommended dosage: 150 – 450 ml per 50 kg bag of cement
- Yield per 5 L can: Approx. 11 – 33 bags of cement
- Yield per 25 L drum: Approx. 55 – 166 bags of cement
- Yield per 200 L drum: Approx. 444 – 1,333 bags of cement

NOTE: Concrete trial mixes shall be carried out to confirm optimal dosage for specific project requirements.

APPLICATION GUIDELINES

Add ChemFit HydroBlock WA110 to the mixing water or directly into the concrete/mortar during batching. Mix thoroughly for minimum 2–3 minutes to ensure uniform dispersion. For plaster applications, add to gauging water. Compatible with all types of Portland cement. Do not pre-mix with

other admixtures in concentrated form. Higher dosages within the range (7–9 L/m³) are recommended for structures exposed to high hydrostatic pressure.

HEALTH AND SAFETY

Not classified as hazardous. Avoid eye and prolonged skin contact. For eye contact, rinse with water for 15 minutes. For skin contact, wash with soap and water. If swallowed, do not induce vomiting – rinse mouth and drink water. Use nitrile gloves and goggles during handling. Refer to SDS for detailed information.

CLEANG OF TOOLS

Clean all equipment with water immediately after use.

APPROVALS AND STANDARDS

Complies with relevant EN / ASTM requirements for integral waterproofing admixtures

LEGAL NOTES

All technical data provided in this Product Data Sheet is based on laboratory testing under controlled conditions. Actual field performance may vary due to differences in substrates, application methods, site conditions, and environmental factors. ChemFit makes no warranty of merchantability or fitness for a particular purpose. Users shall conduct their own trials to validate product suitability for the intended application. ChemFit reserves the right to modify product specifications without prior notice. For the most current documentation, request the latest Product Data Sheet and Safety Data Sheet from ChemFit.

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