

CHEMFIT WATERBLOCK 1000

High-Efficiency Plasticizer & Waterproofing Concrete Admixture

PRODUCT DESCRIPTION

ChemFit WaterBlock 1000 is a liquid concrete admixture that acts as a high-efficiency plasticizer and waterproofing agent. It is designed to produce dense, impermeable structural concrete with improved workability.

PRIMARY APPLICATIONS

CHEMFIT WaterBlock 1000 is recommended for use in conditions such as:

- Water retaining structures (reservoirs, tanks, swimming pools)
- Dams and barrages
- Sewage treatment works and manholes
- Canals and irrigation structures
- Roof slabs, terraces, basements, and foundation walls

KEY FEATURES AND BENIFITS

- **High-efficiency plasticizer** – Improves workability without increasing water content
- **Waterproofing action** – Reduces capillary porosity and water permeability
- **Chloride-free** – Safe for reinforced and prestressed concrete
- **ASTM C 494 Type A compliant** – Meets international standards
- **Liquid form** – Easy to dispense and mix

PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance / Color	Brown / Amber liquid
Specific Gravity	1.18 ± 0.02 at 25°C
pH Value	7.0 – 9.0
Chloride Content	Nil (≤ 0.1%)
Water Reduction	8 – 12%

PACKAGING AND STORAGE

Packaging: 200 L drums and 1000 L IBCs

Storage: Store in original sealed containers at +5°C to +40°C. Protect from direct sunlight and frost. Shelf life is 12 months.

COVERAGE RATES

- **Recommended Dosage:** 0.5% by weight of cement
- **Example (50 kg cement bag):** 0.25 kg (≈ 220 ml) per bag
- **Yield per 200 L drum:** Approx. 800 – 1,000 bags of cement
- **Yield per 1000 L IBC:** Approx. 4,000 – 5,000 bags of cement

Note: Concrete trial mixes shall be carried out to confirm optimal dosage

APPLICATION GUIDELINES

Dispense directly into mixing water or when 70% of water has been added. Mix for minimum 2–3 minutes. Compatible with all Portland cements. Do not pre-mix with other admixtures. If overdosed, set retardation increases – keep concrete moist. Do not use in freeze-thaw conditions without air entrainment.

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.

CLEAING OF TOOLS

Clean all equipment with water immediately after use.

APPROVALS AND STANDARDS

Conforms to **ASTM C494 / C494M** – Type A (Water-Reducing Admixture)

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.

CHEMFIT CONSTRUCTION CHEMICALS AND SERVICES LIMITED
OFFICE NO.8, 1KM NEAR GAHEY SOAP SARGDHA ROAD, FAISALABAD
Tell: +923364544837
Web: www.chemfitchemicals.com
Email: chemfit.pro@gmail.com