

ATECHPROOF® RETAIN

RUBBER MODIFIED LIQUID WATERPROOFING MEMBRANE
FOR RETAINING WALLS AND BELOW GROUND STRUCTURES

ATECHPROOF® RETAIN is a high performance ready to use, cold applied, high build liquid waterproofing membrane based on polymer modified bitumen emulsion. It forms a seamless, highly elastic and durable film that adheres well to most of the common substrates e.g. concrete, cement blocks, brickwork. **ATECHPROOF® RETAIN** is highly resistant to chlorides and sulphates commonly present in the soil. Also resistant to fungus growth.

WATER BASED // HIGH FLEXIBILITY // SINGLE COMPONENT

USES

- Waterproofing of concrete and block foundations, retaining walls, basements and wet areas such as kitchen, bathrooms and balconies.
- Damp proof membrane in sandwich panel constructions.
- Curing membrane and protective coating for sub structure.
- Planter boxes.

FEATURES

- Single component, ready to use.
- Resistant to chlorides & sulphates usually present in the soil.
- Non flammable and non toxic
- Easy to use.
- Applicable on damp surfaces.
- Environment friendly.
- VOC free.

PACKAGING

11.5 litre and 17.5 litre pails.

CONSUMPTION

For Damp Proofing / Vapour Barrier:
3 – 4 m² / kg / coat. Apply 2 coats

Surface Waterproofing Membrane:
1m² / kg / coat. Apply 2 coats.

Surface Curing Membrane:
2 – 3 m²/kg. Apply 1 coat.



Images are not to scale

PRODUCT DATA SHEET: WATERPROOFING: ATECHPROOF® RETAIN

Typical Properties ATECHPROOF® RETAIN

Appearance	Thick brownish emulsion dries to a black. Class III elongation conforms to durability requirements of AS 4654.2 2012.
Specific Gravity	1.03 +/- 0.01
Non-Volatile Content	65% (Approx.)
Rubber Content	12% (Approx.)
pH	11.0 – 13.0
VOC	< 10 g / kg
Drying Time	1 – 3 hours
Full Dry	3 – 4 days

Properties of Dry Film

Softening Point R & B (ASTM D36 - 84)	> 100°C.
Elongation at Break (ASTM D412)	700% approximately
Water Vapour Permeability (ASTM E96- 92)	0.15g / m ² / day
Resistance to Water (ASTM D2939)	No Blistering or re-emulsification

APPLICATION GUIDELINES

SURFACE PREPARATION

All surfaces should be sound, clean and free of contaminants. Absorbent surfaces e.g. concrete should preferably be dampened with water. In kitchens, toilets and other wet areas all the openings should be properly sealed.

APPLICATION

ATECHPROOF® RETAIN can be applied by brush, roller or squeegee. Hot, dry or very porous substrate should be dampened with clean water prior to application of **ATECHPROOF® RETAIN**. When two or more coats are required, ensure that the preceding coat is fully dry before applying the successive coat, which should be applied at right angle to preceding coat.

ATECHPROOF® RETAIN also acts as a curing membrane; hence it may be applied to fresh concrete immediately after the removal of formwork, eliminating the need of conventional curing with water. Since it gives a permanent black finish **ATECHPROOF® RETAIN** is recommended as curing membrane only for surfaces which have no aesthetic value such as sub-structures of buildings.

CLEAN UP

Tools may be cleaned with water as long as the product is wet. Once dry, by mechanical means only.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of the product is 12 months from the date of manufacturing provided it is stored in unopened factory packed drums.

PRECAUTIONS

Use normal safety precautions. Wear rubber hand gloves, safety shoes and safety goggles while using and handling the product. Avoid contact with skin and eyes. In case of accidental contact with eyes, wash with plenty of water and seek medical treatment immediately.

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by ATECH either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not ATECH are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at time of print. As the information herein is of a general nature, no assumption can be made as to the products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

Safety Precautions

These products may cause allergic reactions through skin contact, goggles, protective gloves and overalls must be worn. Ensure that there is adequate ventilation and avoid breathing the vapour.

Exclusion Clause

- The information contained in this data sheet is based on many years experience and is correct to the best of our knowledge. ATECH will be under no liability whatsoever whether in:
 - Contract or tort (including, without limitation, negligence)
 - Breach of statute
 - Any other legal or equitable obligation other than the quality of the product at the time of despatch.
- Any queries about specification use or application should be directed to our technical service department immediately.
- This exclusion clause does not operate to exclude any warranty that by law may not be excluded.

