

ATECHPROOF® BALCONY

TRAFFICABLE & UV STABLE WATERPROOFING MEMBRANE

ATECHPROOF® BALCONY is a waterborne elastomeric waterproofing membrane with outstanding long term UV stability. It is an effective anti-carbonation membrane for concrete and compressed sheet balcony construction.

HIGHLY DURABLE // HIGH ELONGATION // LOW ODOUR // FAST CURE

TESTING AND APPROVALS

ATECHPROOF® BALCONY is compliant with the following standards:
AS4654.1: Waterproofing Membranes for External Above Ground.

RECOMMENDED SUBSTRATES

- Brickwork
- Cementitious substrates
- Compressed cement sheets
- Concrete / concrete blocks
- Exterior
- Fibre cement sheeting
- Masonry
- Painted surfaces
- Plywood sheeting
- Prefabricated concrete
- Reconstituted stone
- Renders
- Timber

AREA OF USE

- Balconies
- External walls
- Parapet walls
- Decks

FEATURES & BENEFITS:

- Seamless waterproofing system - liquid applied with no joints or laps, not allowing ingress of water or contaminants.
- Elastomeric, even after weathering.
- Anti-carbonation protection of concrete.
- Tough and trafficable - high tensile strength and hardness.
- Allows substrates to breathe
- Fungal and algae resistant - an extended life and clean appearance in high humidity environments.
- Fire and flame resistance.
- Chemical attack resistance.
- Excellent resistance to dirt pickup.
- Very high adhesive strength.
- High build-bridges fine cracks.
- Resistance to impact and light traffic damage.
- Weatherproof and lightfast.
- Not suitable for use in areas of permanent water immersion.



SURFACE PREPARATION

- Surfaces must be firm, clean, dry, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants.
- Exposed reinforcing bats are to be cleaned of rust prior to repair.
- If cementitious repair products are used, they should be cure for a minimum of 7 days, however 28 days is preferable.
- Remove contaminants such as grease and oil with GT-ULTRA®
- Remove dust, loose dirt, flaking, paint, rust etc. with appropriate by high pressure water jetting, abrasive blasting or mechanical / hand wire brushing.

NOTE: Due to the wide variety of substrates available, adhesion testing is recommended in a trial area before full application.

PRIMING

- Porous substrates must be primed with SUPERPRIME™.
- Non-Porous substrates must be primed with ELITEPRIME™.
- Damp touch dry substrates must be primed with MIGHTYPRIME™.
- If a vapour barrier is required to protect against hydrostatic pressure, 2 coats of MIGHTYPRIME™ must be applied. Failure to do so may result in poor adhesion and subsequent delamination.

APPLICATION

All areas to receive membrane must be primed using the appropriate primer. **ATECHPROOF® BALCONY** can be applied by brush roller or trowel in multiple coats.

Apply **ATECHPROOF® BALCONY** to the wall/wall joints applying material at least 100mm on either side of the joint, and in the case of a designated shower area, the total wall area is up to rose height.

Waterproof wall joints to 1800 mm from the finished floor level and a minimum width of 40 mm on either side of the junction. Seal all tap, shower rose, and bath spout penetration. All floor/wall joints should be waterproof to a minimum of 40 mm on either side of the junction and 150mm outside the shower. Once the first coat has dried, apply subsequent coats at right angles to the first coat.

BOND BREAKER

Bond breakers are required at all wall/floor, hob/wall, junctions, and all movement joints (wall/wall) where the membrane is bonded to the substrate.

The Bond breaker shall be of the type compatible with Class II flexibility membranes. Only ATECHFLEX® FILLET, ATECHFLEX® POLY, FABTAPE™, CLEVERATPE™ or an appropriate proprietary bond breaker tape specified under membrane application, should be used.

ATECHFLEX® FILLET or ATECHFLEX® POLY should be applied to produce 12mm x 12mm minimum coved bead over inter planar joints.

The bond breaker profile must be a minimum of 6mm in depth at the midpoint of the joint. If any cracks in the substrate are evident, grind out the crack to a width of at least 6mm, fill it with fillet and allow it to cure.

Apply CLEVERATPE™ over the entire crack to isolate it from the membrane. If applying membrane over fibre cement systems, follow Atech's recommendations for fixing and sealing expansion joints.

Apply ATECHFLEX® FILLET or ATECHFLEX® POLY to all drainage outlets, flanges, water stops etc.

Dedicated expansion joints must be isolated from the membrane using CLEVERATPE™, ensuring at least 12mm on either side of the crack and covering the entire length and width of the joint.

APPLICATION RATES:

Apply a minimum of 2 coats at the below recommended rate of to achieve the recommended dry film thickness (DFT).

WATERPROOFING REINFORCED TRAFFICABLE: Rate - 1.6m²/lit

Wet Room	WET FILM	DRY FILM	TOTAL DFT
1st COAT	0.625mm	0.30mm	0.30mm
Whilst wet embedded FABTAPE™			
			0.04mm
2nd COAT	0.625mm	0.30mm	0.30mm
			0.64mm

ANTI-CARBONATION WEATHERPROOF MEMBRANE: Rate - 4.8m²/lit

Wet Room	WET FILM	DRY FILM	TOTAL DFT
1st COAT	0.21mm	0.1mm	0.1mm
2nd COAT	0.21mm	0.1mm	0.1mm
			0.2mm

DRYING TIMES

- Allow 4-6 hours drying time for recoat depending on ambient conditions.
- A longer curing time for recoat will be required in cooler temperatures and high humidity to achieve a cured film between coats.
- Allow 24 hours to dry before tiling / screeding / overcoat.
- Allow longer in adverse conditions.

TILING OVER ATECHPROOF® BALCONY

Adhere tiles using FUTUREBOND® Tile Adhesives.

RECOATING AND REPAIRS

The surface must be clean and free of all adhesive residues, surface dust, or other contamination.

Wash down with appropriate cleaner, flush with fresh water, and allow to dry.

Loose or damaged membranes must be cut to a clean, adhered edge and removed.

Any exposed substrate must be primed. Apply 2 coats of the membrane to the damaged area per the coverage instructions ensuring a complete overlap of a minimum of 100mm on either side of the damaged area.

Product Data	
Appearance	Grey
Packaging	15 Litres
Specific Gravity	1.35g/cm ³
Elongation	140% at break
Classification Class	II High Extensibility
Solids W/W	65%
WVT	35.6g/m ² /24hrs
Final Drying Time	24 hr at 25°C 50% RH

SHELF LIFE / STORAGE

12 months when stored in original unopened packaging. To be stored in a dry area off the ground.

LIMITATIONS

- Is not designed to stop a hydrostatic head of water pressure
- Must not be used over damp, wet, or contaminated substrates
- Must not be applied externally if it is raining or rain is imminent.
- Must not be used as a wearing surface for heavy foot or vehicle traffic
- Should not be applied where the surface temperature is below 10°C or greater than 35°C

CLEAN UP

Clean tools immediately after use with warm soapy water while the membrane is still wet.

WARRANTY AND SPECIFICATION

A standard warranty period of 10 years is offered for **ATECHPROOF® BALCONY**.

Please contact **ATECH®** technical team for detailed project specification and application requirements.

SAFETY AND HANDLING:

- Wear suitable respiratory protection.
- Use in well-ventilated areas.
- Avoid breathing vapours
- Avoid contact with skin and eyes.
- Wear eye protection and suitable gloves and clothing.
- Do not eat, drink, or smoke while using this product.
- If on the skin, wash with plenty of soap and water.
- If in the eyes: rinse cautiously with water for several minutes.
- Remove contact lenses; if present, continue rinsing.
- If any skin or eye irritation persists or you feel unwell, get medical attention.

PRODUCT DATA SHEET: WATERPROOFING: ATECHPROOF® BALCONY

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

1. 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:
 - a) Contract or tort (including, without limitation, negligence)
 - b) Breach of statute
 - c) Any other legal or equitable obligation other than the quality of the product at the time of despatch.
2. Any queries about specification use or application should be directed to our technical service department immediately.
3. This exclusion clause does not operate to exclude any warranty that by law may not be excluded.

