ACTFLEX SA TAPE.



Technical Data Sheet | **Self-Adhesive Butyl Sealing Tape with Fleece Membrane-Bonding Face** | **Issue date: 25 August 2026**

Description

ACTFLEX SA TAPE is a high-performance self-adhesive butyl sealing tape faced with a white polypropylene fleece engineered for direct integration into liquid waterproofing systems. The butyl rubber adhesive underside develops immediate, permanent tack to concrete, screed, render, AAC, fibre cement, metals, masonry, PVC, rigid plastics, timber, glass and bitumen, forming a self-sealing barrier that closes around fasteners and penetrations, while the fleece face presents an open, mechanically keyed surface into which liquid membranes bond directly.

The tape is impermeable to vapour, weatherproof and permanently flexible, and its high malleability allows it to be worked into complex three-dimensional detailing — pipe penetrations, floor waste flanges, tap and outlet fittings, precast panel joints and slab edges — without cutting relief that would compromise continuity. Installation is tool-free and immediate: no cure period, no mixing and no waiting before the membrane is applied over it. It additionally performs as a sound and vibration barrier and is suited to construction, ventilation and modular tank sealing duties.

Advantages

- Self-adhesive butyl underside — immediate permanent tack to a wide substrate range with no cure period.
- Polypropylene fleece face — direct mechanical bond to FORSPEC liquid membranes with no floating or debonding.
- Quick, tool-free installation — no mixing, no pot life and no waiting before overcoating.
- High malleability for complex detailing at pipes, drains, flanges and corners.
- Permanent self-sealing barrier that closes around fastener and penetration breaches.
- Impermeable to vapour and weatherproof.
- Performs as a sound and vibration barrier in addition to its sealing duty.
- Suitable for both internal and external environments.

Uses

- Wall-to-floor and wall-to-wall junctions ahead of membrane application.
- Pipe penetrations, service penetrations, taps and outlets.
- Floor waste flange detailing.
- Shower recesses, balconies and planter boxes.
- Precast panel joints and slab edges.
- Membrane termination detailing and bond-breaker duty at transitions.
- Modular tank, construction and ventilation sealing.

Compliance Status

ACTFLEX SA TAPE is a detailing component and is not itself certified to a membrane standard. Compliance is established by the certified FORSPEC membrane system in which the tape is embedded. No accredited certificate is currently held on file for the tape properties below.

STANDARD / TEST	STATUS	REFERENCE
AS/NZS 4858 — wet area membranes	Not applicable — the tape is a system component, not a membrane	Compliance is established by the membrane system
Accelerated ageing durability	Passed 1000 hours exposure — manufacturer data	Forspec R&D *

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Compliance Status (continued)

STANDARD / TEST	STATUS	REFERENCE
Water vapour transmission	< 0.1 g/m²/day — manufacturer data	Forspec R&D *
Membrane system compatibility	Confirmed for FORSPEC liquid membrane systems	Confirm sheet system compatibility with FORSPEC Technical †

Technical Data

Certified values are stated against their governing report. All other values are typical R&D characteristic values and are asterisked.

PROPERTY	VALUE	BASIS
Product type	Self-adhesive butyl sealing tape, black, with white polypropylene fleece face	—
Thickness	1.0 mm	*
Tensile strength	115 N (longitudinal) / 100 N (transverse)	*
Elongation at break	> 300%	*
Peel adhesion	22 N/cm	*
Probe tack	7.2 N	*
Water vapour transmission	< 0.1 g/m²/day	*
UV resistance	Moderate — must be covered	—
Durability (accelerated ageing)	Passed 1000 hours exposure	*
Application temperature	0°C to +40°C	—
Service temperature	−40°C to +100°C	—
Minimum overlap	50 mm	—
Standard widths	100, 150, 200 and 300 mm	—
Shelf life	24 months, unopened, stored dry and shaded	—

† The source data sheet recorded sheet-membrane compatibility as "TBC". Pending confirmation, ACTFLEX SA TAPE is published as approved for FORSPEC liquid membrane systems only; use with FORSPEC sheet membrane systems requires written FORSPEC confirmation — refer to the Change Register.

* Typical R&D characteristic values, not for engineering design without written FORSPEC confirmation.

Coverage and Yield

MEASURE	BASIS
Linear demand	Measured junction length plus 50 mm per lap and 10% for detailing and wastage
Corner and penetration allowance	One preformed unit, or 300 mm of running tape, per corner or penetration
Roll length	20 m per roll
Rolls per carton	6 rolls per carton

Take-offs must allow for laps, star cuts at flanges and penetrations, and offcut wastage at corners. Roll and carton quantities are Forspec R&D typicals — confirm against current packaging before ordering.

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Limitations

- Not a stand-alone waterproofing product — the tape performs only as a reinforced detail within a complete FORSPEC waterproofing system.
- Not to be left exposed — UV resistance is moderate and the tape must be covered by the approved membrane system.
- Approved for use with FORSPEC liquid membrane systems. Use with FORSPEC sheet membrane systems requires written FORSPEC confirmation.
- Not a substitute for a designed movement joint.
- Do not install below 0°C or above 40°C ambient and substrate temperature.
- Do not install over frosted, damp, dusty or contaminated substrates.
- Do not stretch the tape during installation.
- Terminate the tape 10–20 mm below the finished tile or finish level — an exposed edge at finish level will lift.
- Confirm compatibility between the tape and the specified membrane with a FORSPEC technical representative before use.

Surface Preparation

Preparation governs the performance of the detail. Complete all preparation and allow all preparatory work to cure before installation begins.

- Substrates must be clean, dry, structurally sound and free of laitance, dust, oil, grease, paint, sealers, curing compounds and all other bond-inhibiting contaminants.
- Concrete surfaces must be smooth and free of surface ridges, sharp projections, fins and voids — any of these will bridge the tape and create a void beneath it.
- Junction zones must be smooth and continuous for a minimum of 200 mm in every direction from the corner, including the wall upturn.
- Renders and screeds must be fully cured, crack-free and solidly bonded. Cut out and reinstate any weak, hollow or drummy area before installation.
- Reinstate defects, voids and blowholes with a FORSPEC concrete repair system such as FORBUILD 100 or FORCRETE 100, finished flush and cured.
- Remove all loose fasteners, screws, nails and debris from wall and floor sheet surfaces.
- All building boards and sheet substrates must be installed and fastened in accordance with the sheet manufacturer's instructions and the applicable Australian Standard.
- Mechanically prepare dense, burnished or coated surfaces by grinding or light abrasion to expose sound substrate, then vacuum the area thoroughly.

Priming

AAC blocks and porous concrete must be primed before the tape is applied. Use the FORSPEC primer specified for the substrate and the membrane system — ACTFLEX EP250 for cementitious and moisture-affected substrates, ACTFLEX 500 NP PRIMER for internal dense surfaces, or ACTFLEX SUPERPRIME 008 for non-porous surfaces. Allow the primer to dry fully before the tape is applied.

Installation

- Confirm surface preparation is complete and that any required primer has been applied and is fully dry.
- Peel the release liner from the ACTFLEX SA TAPE.
- Apply the tape directly to the prepared substrate, aligning it carefully with the joint or junction, without creases or trapped air.
- Embed the tape with a pressure roller to achieve complete, uniform contact and expel all air bubbles and wrinkles.
- Overlap ends and junctions by a minimum of 50 mm. For additional security, apply light heat to the butyl face before overlapping.
- Floor waste detailing: make a star cut in the tape to align over the floor waste flange, press the tape around the flange edge with a roller and bond it tightly to the substrate, then extend the membrane over the fleece.
- Pipe penetrations: cut the tape to shape and wrap it around the pipe with a vertical overlap, press and seal the butyl around the pipe, and reinforce the junction with the compatible liquid membrane.
- Taps and outlets: star cut around the fitting, wrap the tape and roll it down tight, then extend the membrane over the fleece to create a continuous seal.
- Terminate the tape 10–20 mm below the tile or finish level in all cases.
- In cold conditions, pre-warm the tape and the substrate with a heat gun on a low setting to develop adhesion.
- Immediately cover the installed fleece face with the approved membrane system — do not leave the tape exposed.

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Corner and Junction Detailing

- Internal corners: cut the tape at 45° and lap or mitre neatly, keeping the centre of the tape continuous and uninterrupted around the corner. Press both planes into sufficient membrane beneath.
- External corners: pre-form or cut the tape to the corner shape with continuous overlap, ensuring the bonding face contacts the substrate on both planes and is fully saturated.
- Factory-preformed internal and external corner units are available and are recommended for critical detailing; join preformed corners to the running tape with a minimum 50 mm overlap and full embedment.

Suitable Substrates

- Concrete, screed and render.
- AAC blocks — primed before application.
- Fibre cement sheeting.
- PVC and rigid plastics.
- Metals, masonry, timber, glass and bitumen.
- Any other substrate — confirm suitability with FORSPEC Technical before use.

Drying, Curing and Testing Times

All times below are governed by the membrane system in which the tape is embedded, measured at 25°C and 50% RH. Refer to the Technical Data Sheet of the specified membrane for the controlling recoat and cure windows.

STAGE (AT 25°C, 50% RH)	TIME
Adhesion development	Immediate on pressure rolling — no cure period *
Membrane application over the fleece face	Immediately after installation
Membrane cure, flood testing and covering	Per the Technical Data Sheet of the specified membrane
Maximum exposure before overcoating	Cover promptly — UV resistance is moderate *

* Typical R&D characteristic values, not for engineering design without written FORSPEC confirmation.

Clean Up

Remove offcuts and release liner immediately and keep the work area clear. Tools require no solvent cleaning. Where uncured membrane has been applied over the tape, clean tools and equipment according to the membrane Technical Data Sheet while the product remains wet.

Container and Waste Disposal

Dispose of offcuts, release liner, cores and packaging as general construction waste in accordance with State and local requirements. Do not discharge membrane residues into drains, soil or waterways. Refer to Section 13 of the SDS of any membrane used with the tape.

Quality Records

Record the batch numbers and roll identifiers of all ACTFLEX SA TAPE used, substrate preparation and primer system applied, junction and penetration locations detailed, lap lengths, pressure-rolling confirmation, the membrane system applied over the tape, and inspection results, as part of the project quality assurance records.

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Storage

Store rolls flat or upright in original packaging in a cool, dry, covered environment, protected from direct sunlight, heat and moisture, and clear of point loads that would deform the butyl. Shelf life: 24 months from the date of manufacture, unopened, when stored as specified.*

Safety Precautions and First Aid

Refer to the current Safety Data Sheet before use. The product is supplied in a cured, non-reactive form and is not classified as hazardous in normal handling. The principal hazards in installation arise from the wet waterproofing membranes, primers and sealants used to embed it, and from cutting tools and heat guns. Wear protective gloves, eye protection and protective clothing when handling wet membranes. Use a sharp blade with a cutting board and cut away from the body. Where a heat gun is used, ensure ventilation, keep the tool clear of solvent vapour and combustible material, and allow heated surfaces to cool before handling. Do not eat, drink or smoke when handling; wash hands before breaks and after work.

First aid — Eyes: rinse cautiously with water for several minutes; remove contact lenses if easy to do; continue rinsing and seek medical attention if irritation persists. Skin: wash with soap and water; for membrane or primer contact follow the first aid directions in that product SDS. Inhaled: move to fresh air and keep comfortable. Swallowed: rinse mouth and seek medical advice. Burns from heat gun contact: cool under running water for 20 minutes and seek medical attention for anything beyond a minor burn. POISONS INFORMATION CENTRE: 13 11 26 (Australia-wide, 24 hours). In an emergency, dial 000. KEEP OUT OF REACH OF CHILDREN. Read the Safety Data Sheet (SDS) before use — available at www.forspec.com.au.

Warranty

Standard Product and Performance Warranty: Forspec Protective Coatings Pty Ltd as Trustee for Forspec Protective Coatings (ABN 11 204 033 631) warrants that ACTFLEX SA TAPE will be free from manufacturing defects and will not fail under normal usage for a period of ten (10) years from the date of purchase, when installed and used strictly in accordance with this Technical Data Sheet and Forspec's written instructions. This warranty covers the supply of the product only; it does not cover installation, application or workmanship. Remedies are limited, at Forspec's discretion, to replacement of the defective product (or defective portion) or a refund of the purchase price. The full terms, conditions and exclusions are set out in the Forspec Standard Product and Performance Warranty, available at www.forspec.com.au — key conditions include application by a suitably qualified and, where required by law, licensed applicator; use within shelf life; and installation as part of a Forspec approved system without non-approved third-party products.

Project and system warranties: extended project-specific warranties are available at the request of the applicator and must be applied for using the Forspec Warranty Request Form prior to commencement of works. Issue is subject to Forspec approval and is conditional on the use of the complete specified FORSPEC system, application in strict accordance with the current TDS by suitably qualified applicators, and completion of the project quality records described above. The warranty period and terms are as stated in the issued warranty certificate.

Claims: notify Forspec in writing within thirty (30) days of discovery of the alleged defect and within the warranty period, by post to 22/872 Canterbury Road, Roselands NSW 2196 or by email to info@forspec.com.au, including proof of purchase, installation details (date, location, installer), a description of the defect with supporting evidence, and your contact details. Forspec may inspect the site, perform testing and collect samples before determining a claim.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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Data Sheet Currency

This Technical Data Sheet (TDS) and the corresponding Safety Data Sheet (SDS) are subject to revision as necessary to ensure compliance with relevant Australian Standards and to incorporate technological advancement. Read the most current versions before use, as application and performance data may be updated. For the latest technical information, contact Forspec Protective Coatings on (02) 8021 3517 or info@forspec.com.au. The information provided is representative and does not serve as a comprehensive specification. For specific projects, consult directly with Forspec Protective Coatings for tailored specifications. This data sheet was issued on 25/08/2026 and is valid for three years from the date of issue unless superseded by a later revision — always confirm the current version at www.forspec.com.au before use.

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