ACTFLEX FLASH FOIL.



Technical Data Sheet | Aluminium-Faced Self-Adhesive Butyl Flashing and Sealing Tape | Issue date: 25 August 2026

Description

ACTFLEX FLASH FOIL is an aluminium-faced self-adhesive butyl waterproofing tape engineered for watertight sealing in demanding exposed environments. The butyl adhesive layer develops immediate permanent tack to metal, concrete, fibre cement board, plasterboard and plastics, while the reinforced aluminium facing gives it what conventional butyl tapes lack: a puncture-proof, weather-resistant outer skin that holds its form under sustained UV, dust and temperature swing.

The aluminium surface is flexible enough to conform to both flat and curved substrates, so it seals reliably across corrugated profiles, textured board and irregular junctions. Unlike conventional butyl tapes it does not turn gooey in the roll or during application, staying clean and manageable in the hand and on the shelf. It resists water ingress, condensation and corrosive chemicals across a service range from −25°C to +121°C, making it equally at home on metal roofs, gutter repairs, facade junctions, window and door detailing and mobile structures.

Advantages

- Reinforced aluminium foil facing — puncture-proof and weather resistant.
- Immediate permanent tack to metal, concrete, fibre cement board, plasterboard and plastics.
- Flexible aluminium surface conforms to flat and curved substrates, including corrugated profiles.
- Does not turn gooey during application or storage — clean, mess-free handling.
- Watertight seal against rainwater, condensation and corrosive chemicals.
- Withstands extreme outdoor exposure — UV, dust, moisture and temperature swing.
- Heat resistant to +121°C and cold flexible to −25°C.
- Long shelf life — resists adhesive breakdown and slump in the roll.
- Easy-to-handle roll form with tool-free installation.

Uses

- Roofing and flashing — sealing metal roof joints, overlaps and ridge caps.
- Waterproofing around roof penetrations — vents, skylights, chimneys and HVAC ducts.
- Temporary and permanent repair of leaks in corrugated and sheet metal roofs.
- Gutter repairs and joint sealing.
- Cladding and wall systems — joint sealing between fibre cement board, plasterboard and concrete walls.
- Sealing facade panels and junctions in exposed conditions.
- Prevention of water ingress at cladding-to-frame transitions.
- Windows, doors and facade detailing — air and water sealing around frames and door gaps.
- Transition sealing between dissimilar materials — metal to concrete, metal to glass, cement to steel.
- Vehicle and portable structures — RV roofs, caravans, trailers and mobile structures.
- Patching cracks in cementitious boards and waterproofing concrete expansion joints.

Compliance Status

No accredited certificate is currently held on file for ACTFLEX FLASH FOIL. All performance values are published as typical R&D characteristic values.

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Compliance Status (continued)

STANDARD / TEST	STATUS	REFERENCE
AS/NZS 4858 — wet area membranes	Not applicable — the tape is a flashing and sealing component, not a membrane	—
Adhesion and peel performance	Manufacturer data — accredited verification outstanding	Forspec R&D *
UV and weathering resistance	Manufacturer data — accredited verification outstanding	Forspec R&D *
VOC certification	Not currently held	Certificate to be commissioned

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	Aluminium-faced self-adhesive butyl flashing and sealing tape	—
Facing	Reinforced aluminium foil	—
Adhesive	Self-adhesive butyl	—
Minimum overlap	50 mm	*
Heat resistance	+121°C	*
Low temperature flexibility	−25°C, no cracking †	*
Service temperature range	−25°C to +121°C †	*
UV resistance	Resistant — suitable for permanently exposed applications	*
Chemical resistance	Resistant to corrosive chemicals	*
Approved substrates	Metal, concrete, fibre cement board, plasterboard, glass and plastics	—
Application temperature	+5°C to +40°C *	*
Roll dimensions	To current pack schedule *	*
Shelf life	24 months, unopened, stored dry and shaded *	*

† The source data sheet stated crack-free flexibility at −40°C in one section and −25°C in another. The conservative value is published pending resolution. The source also described substrates as "Gyprock" and "villa board"; the correct generic descriptions are plasterboard and fibre cement board. Refer to the Change Register for both items.

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

Coverage and Yield

MEASURE	BASIS
Linear demand	Measured joint or lap length plus 50 mm per overlap and 10% for detailing and wastage
Penetration allowance	300 mm of tape per pipe, vent or duct penetration *
Corner and ridge allowance	One continuous length per ridge or corner run, lapped 50 mm at joins *
Width selection	Select a width giving a minimum 25 mm bearing each side of the joint *
Roll length and width	To current pack schedule *

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Coverage and Yield (continued)

Take-offs must allow for laps, cutting around penetrations and offcut wastage. Confirm roll dimensions against the current pack schedule before ordering. * Typical R&D characteristic values, not for engineering design without written FORSPEC confirmation.

Limitations

- Not a waterproofing membrane — ACTFLEX FLASH FOIL is a flashing and sealing tape, not an area waterproofing system.
- Not a substitute for correctly designed flashing, capping and drainage detailing.
- Do not install over damp, frosted, dusty, oily or contaminated substrates — the butyl will not develop permanent tack.
- Do not stretch the tape during installation; an installed tape under tension will pull back off the junction.
- Do not install below 5°C without pre-warming the tape and substrate and confirming adhesion on a trial area.
- Porous, dusty and friable substrates must be primed before the tape is applied.
- Do not bridge a gap with unsupported tape — the tape must bear on sound substrate on both sides of the joint.
- Not a movement joint product — designed movement joints require the specified joint sealant or joint tape.
- Roller pressure is mandatory — an unrolled tape is not a sealed tape.
- Confirm compatibility with a FORSPEC technical representative before use over bituminous products or unverified coatings.

Surface Preparation

- Confirm the substrate is clean, dry and free of dust, oil, grease, loose coatings and all bond-inhibiting contaminants.
- Confirm the substrate is sound and smooth across the full bearing width, with no sharp edges, protrusions or depressions where the tape will bear.
- Remove loose fasteners, swarf and debris from metal and sheet surfaces.
- Prime porous, dusty or friable substrates with the FORSPEC primer specified for that substrate and allow it to dry fully.
- Confirm all sheeting, cladding and boards are fixed in accordance with the manufacturer instructions and the applicable Australian Standard.
- Confirm the joint is dry and, where condensation is likely, that the surface temperature is above dew point.

Application and Film Build

- Cut the tape to length with a clean blade before removing the release liner.
- Peel the release liner and apply the tape directly to the prepared substrate, aligning it carefully so it bears on sound substrate both sides of the joint, without creases or trapped air.
- Work from the centre outwards, laying the tape down progressively rather than dropping it flat.
- Embed the tape with a pressure roller over the full bearing width to achieve complete, uniform contact and expel all air.
- Overlap ends and junctions by a minimum of 50 mm and roller every lap along its full length.
- On curved and corrugated substrates, work the aluminium facing into the profile with firm hand and roller pressure so the tape follows the contour with no bridging.
- At penetrations, cut the tape to shape, dress it down over the flange or collar and roller it into full contact.
- In cold conditions, pre-warm the tape and the substrate with a heat gun on a low setting to develop adhesion.
- Inspect every lap, corner and penetration for lifting, fishmouths and trapped air, and cut out and re-detail any defect.

Drying, Curing and Testing Times

All times below are measured at 25°C and 50% RH. Low temperature, high humidity, poor ventilation and substrate porosity extend every stage — verify the primer is fully dry on site before overcoating.

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Drying, Curing and Testing Times (continued)

STAGE (AT 25°C, 50% RH)	TIME
Adhesion development	Immediate on pressure rolling — no cure period *
Full bond development	24 hours *
Exposure to rain and water	Immediately after rolling *
Overcoating with a compatible coating	After 24 hours, subject to a compatibility test *
Inspection	Immediately after rolling, and again at 24 hours *

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

Clean Up

Remove offcuts, release liner and packaging immediately and keep the work area clear. Tools require no solvent cleaning. Where a primer, adhesive or liquid membrane has been used alongside the sheet, clean tools according to that product Technical Data Sheet while the material 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 primer or membrane residues into drains, soil or waterways. Refer to Section 13 of the SDS of any primer or liquid product used with the sheet.

Quality Records

Record the batch numbers and roll identifiers of all ACTFLEX FLASH FOIL used, substrate types and preparation method, primer applied where required, joint and penetration locations sealed, lap lengths achieved, pressure-rolling confirmation, ambient and substrate temperature at installation, pre-warming where used, and inspection results, as part of the project quality assurance records.

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 cutting tools, from working at height and in confined below-ground spaces, and from the primers, adhesives and membranes used alongside it. Wear protective gloves, eye protection and protective clothing. Use a sharp blade with a cutting board and cut away from the body. Where work is below ground or in a confined space, apply the site confined-space entry procedure — test the atmosphere, provide mechanical ventilation and maintain a standby observer. Do not eat, drink or smoke when handling; wash hands before breaks and after work.

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Safety Precautions and First Aid (continued)

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 primer or membrane 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. Cuts from cutting tools: clean the wound, apply a dressing and seek medical attention where the wound is deep or contaminated. 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 FLASH FOIL 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.

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.

CONDITIONS OF USE, PRODUCT DISCLAIMER, AND STATEMENT OF RESPONSIBILITY

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Data Sheet Currency (continued)

1. Accuracy of information. The information in this document is provided in good faith by Forspec Protective Coatings Pty Ltd as Trustee for Forspec Protective Coatings (ABN 11 204 033 631) ('Forspec Protective Coatings') and is, to the best of its knowledge, true and accurate at the date of issue. Forspec Protective Coatings reserves the right to amend this document without notice as part of its continuous product development.

2. Suitability and user responsibility. Substrates, site conditions, workmanship and conditions of use are beyond Forspec Protective Coatings' control. No representation or warranty is made as to the suitability of the product for any particular application. The user must determine the suitability of the product for the intended use by their own assessment and, where appropriate, testing prior to application.

3. Currency of document. It is the responsibility of the customer and the applicator to confirm that this document and the corresponding Safety Data Sheet are the current versions, available at www.forspec.com.au. This document supersedes all previous versions.

4. Compliant use and application. The product must be used strictly in accordance with this document, the relevant Australian Standards, the National Construction Code and all applicable laws and regulations, and must be applied by suitably qualified personnel.

5. Statutory guarantees. Nothing in this document excludes, restricts or modifies any consumer guarantee, right or remedy conferred by the Australian Consumer Law (Schedule 2 of the Competition and Consumer Act 2010 (Cth)) or any other statutory right that cannot lawfully be excluded.

6. Limitation of liability. To the fullest extent permitted by law: (a) all other warranties, conditions and representations, express or implied, are excluded; (b) the total liability of Forspec Protective Coatings for any claim arising out of or in connection with the supply or use of the product is limited, at its election, to the replacement of the product, the supply of an equivalent product, or the refund of the purchase price paid; and (c) Forspec Protective Coatings will not be liable for any indirect, special or consequential loss, including loss of profits, arising from the use of, or inability to use, the product.

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