FORSPEC SUPERFLEX JOINT TAPE.



Technical Data Sheet | **Three-Layer Tpe Waterproofing Tape, Felt-Faced Both Sides, for Structural and Cold Joints** | **Issue date: 25 August 2026**

Description

FORSPEC SUPERFLEX JOINT TAPE is a three-layer thermoplastic elastomer waterproofing joint tape faced with flexible felt laminate on both sides, engineered for dynamic movement joints, cold joints and the critical transitions where a waterproofing system is most likely to fail. The dual-felt construction allows the membrane to bond from above and below simultaneously, locking the tape into the system top and bottom rather than adhering it to the substrate on one face only.

A systematic perforation pattern along both felt edges allows liquid membranes to filter through the tape and form a mechanical bond from both directions, producing a monolithic seal with the substrate. The elastic centre core delivers transverse elongation in excess of 320% while adding minimal thickness to the detail, so movement is accommodated without telegraphing through thin finishes. The tape is purpose-built for corner junctions and transitional zones, where it carries the membrane across movement without compromising flexibility or bond.

Advantages

- Elastic centre core with dual felt-bonded surfaces — bonded into the membrane from above and below.
- Systematic edge perforations allow membrane penetration and mechanical keying from both directions.
- Transverse elongation greater than 320% for dynamic movement accommodation.
- High flexibility with minimal added thickness at the detail.
- Reinforces the membrane at joints, cracks and transitions.
- Maintains elasticity under thermal and structural movement.
- Water pressure resistance greater than 1.5 bar.
- Compatible with most liquid-applied and cementitious waterproofing membranes.
- Suitable for direct embedment beneath C2-class tile adhesive systems to AS ISO 13007.

Uses

- Wet areas — bathrooms, laundries and commercial kitchens.
- Balconies, terraces, rooftops and planter boxes.
- Retaining walls, swimming pools and water tanks.
- Horizontal and vertical wall-to-floor junctions.
- Cold joints, chamfers and precast panel seams.
- Corner junctions and transitional zones as a high-performance transition tape.
- Under-tile systems using C2-class adhesives.

Compliance Status

FORSPEC SUPERFLEX JOINT 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
Water pressure resistance	> 1.5 bar — manufacturer data	Forspec R&D *

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Compliance Status (continued)

STANDARD / TEST	STATUS	REFERENCE
AS ISO 13007 — tile adhesive compatibility	Suitable for direct embedment beneath C2-class adhesives	Design responsibility of the specifier
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	Three-layer thermoplastic elastomer core with felt laminate on both faces	—
Colour	Blue — custom colours available to order	—
Thickness	0.65 ± 0.1 mm	*
Standard widths	100 mm to 700 mm — custom widths available	—
Elongation at break (transverse)	> 320%	*
Water pressure resistance	> 1.5 bar	*
Service temperature	−30°C to +90°C	*
Edge construction	Systematic perforation pattern to both felt edges	—
Minimum overlap	50 mm	—
Roll length	50 m	—
Shelf life	24 months, unopened, stored dry and shaded	—

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

Coverage and Yield

MEASURE	BASIS
Roll length	50 m per roll
Standard widths	100 mm to 700 mm — select so the elastic centre fully spans the joint
Linear demand	Measured junction length plus 50 mm per lap and 10% for detailing and wastage
Corner allowance	One preformed unit, or 300 mm of running tape, per internal or external corner
Membrane demand at the detail	Base coat plus second coat over the full tape width — refer to the membrane TDS

Take-offs must allow for laps, preformed corners and offcut wastage. Select the tape width so the elastic centre spans the joint with felt bearing on sound substrate on both sides.

Limitations

- Not a stand-alone waterproofing product — the tape performs only as a reinforced detail within a complete FORSPEC waterproofing system.
- Never embed dry. The membrane must fully wet out the tape from beneath and be applied over it — a dry-laid tape will float, bridge and debond.

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Limitations (continued)

- Not to be left exposed. The tape must be overlaid with the approved membrane system.
- Cracks and static joints wider than 3 mm must be pre-filled with ACTFLEX 75FC or ACTFLEX MS PRO before the tape is installed.
- Not a substitute for a designed movement joint — dynamic structural joints require the joint detail nominated in the project design.
- Confirm compatibility between the tape and the specified membrane with a FORSPEC technical representative before use.
- Do not install over frosted, damp or contaminated substrates, or where condensation is present.
- Do not stretch the tape during installation — an installed tape under tension will pull out of the junction as the membrane cures.
- Tile adhesive may be applied only once the waterproofing membrane has fully cured — refer to the membrane Technical Data Sheet for the controlling cure period.

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.

Installation

- Confirm surface preparation is complete and that any required primer has been applied and is fully dry.
- Pre-fill cracks and static joints wider than 3 mm with ACTFLEX 75FC or ACTFLEX MS PRO and allow to cure.
- Apply a generous, continuous base coat of the specified FORSPEC membrane to the substrate at the junction and along the full length of the joint, wide enough to receive the full tape width plus margin on both sides.
- While the membrane is still wet, centre FORSPEC SUPERFLEX JOINT TAPE over the junction or crack so that the elastomeric centre spans the joint and the felt faces lie flat on both planes.
- Press the tape into the wet membrane with a steel trowel or spatula so that the membrane fully saturates the felt faces and anchors the tape from beneath. Work from the centre outwards to expel air, wrinkles and dry zones.
- Allow the base coat to partially set, then apply the second coat of membrane over the entire tape length, fully embedding and encapsulating the tape.
- Overlap tape ends by a minimum of 50 mm, fully embedded in membrane at the lap.
- Inspect the installed detail for hollow zones, wrinkles, dry mesh or felt, and lifted edges. Cut out and re-detail any defective length before continuing.

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.

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Tiling and Membrane Compatibility

- Suitable for direct embedment beneath flexible cementitious and brush-grade polyurethane membranes.
- Compatible with C2-class tile adhesives under AS ISO 13007 — ACTFLEX BIOSET is the FORSPEC system-tested adhesive.
- Apply tile adhesive only once the waterproofing membrane has fully cured, per the membrane TDS.
- Confirm compatibility between the tape, the membrane and the adhesive with a FORSPEC technical representative 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
Base coat — embedment window	While the membrane remains wet *
Base coat — partial set before second coat	Per the membrane Technical Data Sheet
Second coat — full encapsulation	Per the membrane recoat window
Flood testing	After full cure of the membrane system — refer to the membrane TDS
Tiling and covering	After full cure of the membrane system and a successful flood test

* 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 FORSPEC SUPERFLEX JOINT TAPE used, tape width selected against joint width, substrate preparation and primer system, junction locations detailed, lap lengths, base coat and second coat membrane application dates, perforation saturation confirmation, and inspection results, as part of the project quality assurance records.

Storage

Store rolls dry, flat and shaded in original packaging, in a cool, covered environment and clear of point loads. Shelf life: 24 months from the date of manufacture, unopened, when stored as specified.

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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 FORSPEC SUPERFLEX JOINT 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.

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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Data Sheet Currency (continued)

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