ACTFLEX SUPERBOND 007.



Technical Data Sheet | **Non-Pigmented Solvent-Based Polyurethane Primer for Solvent-Based FORSPEC Systems** | **Issue date: 25 August 2026**

Description

ACTFLEX SUPERBOND 007 is a solvent-based polyurethane primer, colourless to slightly yellow, which reacts with atmospheric moisture to form a thin chemically active bonding layer between the substrate and the solvent-based product that follows. It is the adhesion promoter of the solvent-based FORSPEC range — specified ahead of ACTFLEX 75FC polyurethane joint sealant and the ACTFLEX 929 SL membrane system — and it develops that bond on the substrates where mechanical key alone is insufficient: GRP, epoxy resins, PVC, ABS, concrete, stone, fibre-reinforced floor slab, magnesium and glass magnesium floor slab, and timber.

Because the chemistry is a straight polyurethane solution, it is matched to solvent-based polyurethane systems and reacts into them rather than sitting beneath them as a discrete film. Tack-free within minutes, it is applied once, thinly and evenly, by brush, felt or foam applicator. Plastics vary widely between manufacturers and grades, so preliminary testing on the actual production substrate is a mandatory part of the specification. Supplied in 1000 mL containers for professional use.

Advantages

- The specified adhesion promoter for solvent-based FORSPEC systems — ACTFLEX 75FC and ACTFLEX 929 SL.
- Straight polyurethane solution chemistry, matched to solvent-based polyurethane products.
- Moisture-reactive — forms a true chemical bonding interface, not a surface film.
- Adheres to difficult substrates — GRP, epoxy resins, PVC, ABS, magnesium and glass magnesium floor slab.
- Tack-free in 3–5 minutes, keeping detailing programmes moving.
- Applied once only — no multi-coat build required.
- Colourless to slightly yellow, so it does not read through translucent or light-coloured finishes.
- Simple brush, felt or foam applicator application.

Uses

- Adhesion promotion ahead of ACTFLEX 75FC polyurethane joint sealant.
- Adhesion promotion ahead of the ACTFLEX 929 SL solvent-based membrane system.
- Priming ahead of one-component solvent-based polyurethane sealants and adhesives generally.
- Priming GRP, epoxy resin surfaces, PVC and ABS before solvent PU application.
- Priming concrete, stone and fibre-reinforced floor slab.
- Priming magnesium floor slab and glass magnesium floor slab.
- Priming timber substrates before solvent PU sealant application.

Compliance Status

No accredited certificate is currently held on file for ACTFLEX SUPERBOND 007. All performance values are published as typical R&D characteristic values.

STANDARD / TEST	STATUS	REFERENCE
JC/T 408 — solid content	Manufacturer data	Forspec R&D *
GB/T 13447.2 — density	Manufacturer data	Forspec R&D *

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Compliance Status (continued)

STANDARD / TEST	STATUS	REFERENCE
Substrate adhesion	Preliminary testing on the production substrate is mandatory	Applicator responsibility
VOC certification	Not currently held — solvent-based product	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	Solvent-based, moisture-reactive polyurethane primer	—
Chemical base	Solvent-based polyurethane solution	—
System	Solvent-based FORSPEC products — ACTFLEX 75FC and ACTFLEX 929 SL	—
Colour	Clear to slightly yellow	—
Density	Approx. 0.90 g/cm^3	GB/T 13447.2 *
Solids content	30%	JC/T 408 *
Coats	One coat only	—
Tack-free time (at 25°C, 50% RH)	3–5 minutes	*
Fully dry — ready to overcoat (at 25°C, 50% RH)	10–15 minutes	*
Open time before overcoating (at 25°C, 50% RH)	Up to 2 hours	*
Coverage	8–12 m^2/L on dense substrates; 4–8 m^2/L on porous substrates	*
Application method	Brush, felt or foam applicator	—
Ideal application temperature	+15°C to +25°C	—
Application temperature range	+5°C to +35°C	—
Packaging	1000 mL	—
Usable period after opening	One month with frequent use; two months with infrequent use	—
Shelf life	12 months, unopened, stored at 10–22°C	—

ACTFLEX SUPERBOND 007 is the solvent-system primer. For hybrid and MS systems — ACTFLEX 906 WPU and ACTFLEX MS PRO — specify ACTFLEX SUPERPRIME 008.

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

Coverage and Yield

MEASURE	VALUE	BASIS
Coverage — dense and non-porous substrates	8–12 m^2/L *	Thin single coat
Coverage — porous substrates	4–8 m^2/L *	Thin single coat

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Coverage and Yield (continued)

MEASURE	VALUE	BASIS
Consumption per coat	Approx. 0.08–0.25 L/m² *	Substrate dependent
Coverage — 1000 mL container	Approx. 4–12 m² *	Depending on substrate
Joint priming — 15 mm joint	Approx. 80–130 linear metres per litre *	Two flanks primed

Consumption and application method depend on the specific substrate. Establish actual coverage on the trial area required by this data sheet before ordering. * Typical R&D characteristic values, not for engineering design without written FORSPEC confirmation.

Limitations

- For professional use only.
- Not a waterproofing membrane and not a moisture barrier.
- Preliminary testing on the actual production substrate is mandatory before use — plastics vary widely between manufacturers and grades.
- Seek manufacturer advice and conduct testing before use on materials prone to stress cracking.
- Formulated for solvent-based products — for hybrid and MS systems, including ACTFLEX 906 WPU and ACTFLEX MS PRO, specify ACTFLEX SUPERPRIME 008.
- Apply once only — do not build multiple coats.
- Do not dilute or mix with any other substance.
- Do not apply below 5°C or above 35°C; ideal application is between 15°C and 25°C.
- Adequate UV protection is mandatory where used on transparent or translucent substrates.
- Discard immediately if gelling, separation or a significant increase in viscosity occurs.
- The uncured product and its vapours are combustible — exclude all ignition sources.
- Do not use or store in pits, depressions, basements or any area where vapours may be trapped.

Surface Preparation

- Confirm the substrate is clean, dry and free from dust, dirt, grease, oil, wax, release agents and all other contaminants.
- Where required, clean the surface with a suitable solvent and allow it to dry fully before priming.
- Improve adhesion by mechanical pre-treatment — scuffing, abrading or activation — before the primer is applied.
- Confirm the substrate is completely dry with no water residue or persistent dampness.
- Conduct a small patch test on the actual substrate to confirm adhesion and material compatibility before proceeding — mandatory on plastics, which vary widely between manufacturers and grades.
- Seek manufacturer advice and conduct tests before use on materials prone to stress cracking.
- Vacuum or blow clean to remove all fine dust immediately before priming.

Application and Film Build

- Confirm surfaces are clean, dry and free from contaminants, and that the required pre-treatment and trial area have been completed.
- Stir or shake the container well before use.
- Apply a thin, covering coat using a brush, felt or foam applicator, ensuring adequate coverage of the full bonding area.
- Apply ONCE ONLY — a single thin film is the specification; multiple coats do not improve adhesion.
- Ideal application temperature is between 15°C and 25°C.
- Seal the container tightly immediately after each use — the product is moisture-reactive.
- Allow the primer to dry completely before applying ACTFLEX 75FC, ACTFLEX 929 SL or the specified solvent-based product.
- Apply the sealant, membrane or adhesive within the open time of the primer.

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Important — Moisture-Reactive System

This is a moisture-reactive system. Reseal the container immediately after use to maintain product quality. Dispose of the product one month after the container is first opened where use is frequent, or two months where use is infrequent. Discard the primer immediately if gelling, separation or a significant increase in viscosity occurs. Do not dilute or mix with any other substance. Adequate UV protection is mandatory where the primer is used on transparent or translucent substrates. This product is for professional use only.

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.

STAGE (AT 25°C, 50% RH)	TIME
Tack-free	3–5 minutes
Fully dry — ready to overcoat	10–15 minutes
Open time before overcoating	Up to 2 hours
Re-prime required	If the open time is exceeded *
Usable period after opening	One month frequent use; two months infrequent use

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

Clean Up

Clean tools and equipment immediately while the product is still wet, wiping down with FORSPEC EPOXY CLEANER or an approved solvent where the Safety Data Sheet permits. Once dry the product is difficult to remove and mechanical means will be necessary. Observe all WHS requirements and the Safety Data Sheet for safe solvent handling. Do not discharge product or wash water into sewers or waterways and do not touch spilled material.

Container and Waste Disposal

Allow residues to fully cure before disposal in accordance with State and local requirements, and route unused product to an authorised waste collection point per Section 13 of the Safety Data Sheet. Do not seal or stopper drums being decontaminated — carbon dioxide is generated and may pressurise the container. Do not reuse contaminated packaging and do not discharge into sewers or waterways.

Quality Records

Record the batch numbers of all ACTFLEX SUPERBOND 007 used, substrate types primed, pre-treatment method, trial area and adhesion test results, application date and conditions, drying confirmation, the solvent-based product applied over the primer, and the interval between priming and overcoating, as part of the project quality assurance records.

Storage

Store in original, unopened containers in cool, dry conditions between 10°C and 22°C, protected from moisture and direct sunlight. Storage above this range reduces storage life. The uncured product is combustible — keep all sources of ignition away from the product and its vapours, and do NOT store in pits, depressions, basements or areas where vapours may be trapped. ACTFLEX SUPERBOND 007 is sensitive to airborne moisture: reseal the container immediately after each use and preferably use all contents once opened. Shelf life: 12 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. ACTFLEX SUPERBOND 007 is a solvent-based, moisture-reactive primer and is classified as hazardous: it may cause skin and eye irritation, and the uncured product and its vapours are combustible. Always use in a well-ventilated area and exclude all sources of ignition. Wear protective gloves, safety footwear, protective clothing and eye protection against splashes, and use appropriate respiratory protection at all times — organic vapour respirators fitted with particulate pre-filters and powered air-purifying respirators are NOT suitable for this product; select respiratory protection in accordance with the SDS and the workplace risk assessment. Change soiled work clothing and wash hands before breaks and after finishing work. Do not eat, drink or smoke when handling. Do not store or use in pits, depressions, basements or any area where vapours may be trapped. The Chemwatch SDS number for this product is to be confirmed — refer to the Change Register.

First aid — Eyes: rinse with plenty of water for at least 15 minutes and seek medical attention. Skin: remove contaminated clothing and wash thoroughly with soap and water. Inhaled: remove to fresh air; if discomfort or breathing difficulty persists, contact the POISONS INFORMATION CENTRE and seek medical attention. Swallowed: do NOT induce vomiting; contact the POISONS INFORMATION CENTRE and seek medical attention immediately. 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 SUPERBOND 007 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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