

# ACTFLEX ATC.

## Technical Data Sheet

## UV Stable Aliphatic Polyurethane Topcoat

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**ACTFLEX ATC** is a high-performance, aliphatic polyurethane topcoat designed for superior chemical and UV resistance. This single-pack, moisture-curing coating provides a durable, trafficable finish suitable for both vehicle and foot traffic. Engineered to enhance polyurethane or polyurea waterproofing membranes, ACTFLEX ATC offers excellent gloss retention, easy maintenance, and long-term protection. It has been rigorously tested to withstand **2,000 hours of accelerated UV exposure (UVB light)**, ensuring exceptional durability in harsh environments.

## Advantages

**Superior UV Resistance** – Tested to withstand **2,000 hours of UVB exposure**, ensuring long-term durability and gloss retention.

**High Chemical Resistance** – Protects against harsh chemicals, oils, and cleaning agents.

**Trafficable Surface** – Suitable for **both vehicle and foot traffic**, enhancing the durability of waterproofing membranes.

**Moisture-Curing Formula** – Single-pack, easy-to-apply coating that cures efficiently in various conditions.

**Enhances Waterproofing Membranes** – Provides a protective, **seamless topcoat** for polyurethane and polyurea systems.

**Low Maintenance** – Offers a smooth, easy-to-clean surface, reducing dirt build-up.

**Excellent Adhesion** – Bonds well to properly prepared surfaces, ensuring long-lasting performance.

**Versatile Application** – Ideal for balconies, podiums, rooftops, parking decks, and other exposed areas.

### TESTING DATA

### TEST METHOD

Hardness (Shore A)	90 ± 5	AS1683.15
Tensile strength (MPa)	> 30	ASTM D412
Elongation (%)	> 140	ASTM D412
Non Volatiles (%)	68 ± 2	ASTM D3960
Tack free time* (hours)	3	
Curing Time* (hours)	12	
Service Temperature (°C)	-20 to +80	
Density (Liquid) (g/cm <sup>3</sup> )	1.04	
Density (Solid) (g/cm <sup>3</sup> )	1.12	
Recommended substrate temperature(°C)	+5 to +35	
Recommended substrate moisture (%)	Up to 5	
Colour	Clear, Grey	
UV resistance	2000 hours accelerated testing, no visible cracks, blister or chalk.	ASTM G154-16
UVB-313-EL Lamp Wavelengths ~310nm Irradiance: 0.71 W/m <sup>2</sup> /nm 4 hours UV @ 60°C + 4 hours Humidity @ 50°C		

\*Depends on temperature and relative humidity

## Application

Ensure the surface is clean and properly prepared before application. If the surface has been cured and left exposed for more than 24 hours, thorough cleaning is required. Consult a FORSPEC representative for recommended cleaning methods.

Apply the first coat using a roller, brush, or airless spray at a coverage rate of 6-8m<sup>2</sup> per litre.

Allow the first coat to dry for 4-6 hours (depending on temperature and humidity).

Apply the second coat (if required) at the same coverage rate to achieve the desired film thickness and durability. Ensure proper overlap between coats for a consistent finish.

## Recoating

In normal conditions, **ACTFLEX ATC** can be recoated with another layer of **ACTFLEX ATC** after 12 hours and before 36 hours. Contact your FORSPEC representative with any questions.

## Diluting

**ACTFLEX ATC** should not be diluted unless under the instruction of an FORSPEC representative.

## Coverage

1 coat of 250-400 g/m<sup>2</sup> will provide a durable layer of 0.15-0.25 mm. Final dry film thickness must be a minimum of 0.2 mm (200 microns). The number of coats will depend on the degree and type of traffic. For light foot traffic, a single coat at 400 g/m<sup>2</sup> is recommended. For heavy foot traffic and vehicular traffic, two coats of 400 g/m<sup>2</sup> are recommended.

## Limitations

**Not for Ponding Water:** Unsuitable for areas prone to standing water.

**Temperature Sensitivity:** Application and storage between 5°C and 35°C.

**Mechanical Mixing Required:** Inadequate results from shaking.

**Reduced Pot Life in Heat:** Higher temperatures shorten usability.

**Clean Surface Essential:** Contaminants hinder adhesion.

## Cleaning

**Clean up immediately while the product is still wet.**

**Use a suitable solvent** to wipe down and clean tools & equipment.

Once dried, removal becomes difficult and **may require mechanical methods.**

**Follow all OH&S and MSDS guidelines** for the safe handling and use of solvents.

**DO NOT** dispose of product or cleaning water into **sewers or waterways.**

**DO NOT** touch spilled material—follow proper spill containment procedures.

## SAFETY -When handling DO NOT eat, drink or smoke

ACTFLEX ATC is a hazardous material that may cause skin and eye irritation. It should only be used for its intended purpose in well-ventilated areas with the appropriate **Personal Protective Equipment (PPE)**, such as gloves, goggles, and protective clothing. Ensure good industrial hygiene by changing soiled work clothes and washing hands before breaks and after finishing work. In case of contact with eyes or skin, rinse immediately with water. If inhaled, remove the person to fresh air and seek medical attention if discomfort persists. If swallowed, do not induce vomiting and contact a doctor or Poison Information Centre immediately. In an emergency, call **000** (Australia) or the local Poison Information Centre at **13 11 26 (Australia)** or **0800 764 766 (NZ)**. Always consult the Safety Data Sheet (SDS) for more information. Ensure that wash water from cleaning does not enter drains, and do not discharge the product into sewers or waterways. Never seal or stopper drums being decontaminated as CO<sub>2</sub> gas may pressurize containers. **Keep out of reach of children** and observe all relevant health and safety regulations.

## Data Sheet

This Technical Data Sheet (TDS) and Material Safety Data Sheet (SDS) are subject to revision as necessary to ensure compliance with relevant Australian Standards and incorporate technological advancements. It is crucial to read the most current versions of the SDS and TDS before use, as application and performance data may be updated. For the latest technical information, please contact Forspec Protective Coatings at (02) 8021 3517 or email [info@forspec.com.au](mailto:info@forspec.com.au) to request a copy. The information provided is representative but does not serve as a comprehensive specification. For specific projects, we recommend consulting directly with the company for tailored specifications.

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