



APTC Leakproof ATC

Aliphatic top coat

Description

APTC Leakproof ATC is a high-performance, single-component, moisture-curing aliphatic topcoat for polyurethane waterproofing membranes. Formulated to provide UV resistance and increased trafficability it is easy to apply, has high chemical resistance and a quick tack free time.

APTC Leakproof ATC has been tested to pass accelerated UV testing using UVB light at 2000 hours.

Uses

APTC Leakproof ATC is suitable for use with polyurethane/polyurea waterproofing membranes.

Features & Benefits

Easy to use and apply	High chemical resistance
Quick skin building and tack free time	High resistance to punctures & staining
Vehicle and foot trafficable	Gloss finish
Good UV resistance and light stability	Enables easy cleaning

Specifications and Technical Properties

	METHOD/STANDARD	
DENSITY (g/cm ³)		Liquid 1.04, Solid 1.12
TENSILE STRENGTH (MPa)	ASTM D412	>30
ELONGATION (%)	ASTM D412	> 140
SHORE A HARDNESS	AS 1683.15	90 ± 5
SOLIDS		68%
NON VOLATILE CONTENT (%)	ASTM D3960	68 ± 2
SERVICE TEMPERATURE		-20°C to +80°C
UV RESISTANCE <small>UVB-313-EL Lamp Wavelengths ~310nm Irradiance: 0.71 W/m²/nm 4 hours UV @ 60°C + 4 hrs humidity @ 50°C</small>	ASTM G154-16	2000 hours accelerated testing, no visible cracks, chalk or blister



Surface Preparation

All surfaces to be coated must be clean, dry and free of any contaminants, dust, loose particles, grease or oil.

- When coating waterproofing membranes, appropriate reinforcing fabric or bond breakers must be used in angled sections to avoid damage from expansion. Contact APTC Australia for more information on reinforcement and bond breakers.
- Substrates must be fit for purpose, constructed and installed in accordance with manufacturers installation recommendations and comply with the relevant buildings standards at the time of application.

Mixing:

APTC Leakproof ATC must be mixed with a mechanical mixer prior to application. Mix the product for 2-3 minutes at 300-400 RPM with a power drill and paint mixing tool attachment. Avoid adding air into the product whilst mixing.

Application

APTC Leakproof ATC can be applied using a squeegee or roller.

- Each coat must be applied at a rate of 250-400g/m² to provide a layer of 0.15-0.25mm.
- A minimum dry film thickness (DFT) of 200 microns must be achieved per coat.

Recoating:

The number of coats is dependant on the desired degree of trafficability and type of traffic:

Light foot traffic— a single coat at a rate of 400 g/m² is recommended

Heavy foot traffic/vehicular traffic—two coats at a 400 g/m² each coat is recommended

- Allow a minimum of 12 hours and a maximum of 36 hours before applying the second coat.
- Regular use of a wet film gauge is recommended during the application process to ensure the correct dry film thickness is achieved.

APTC Leakproof ATC must be installed in line with the current edition of the NCC (National Construction Code of Australia) pertaining to internal and external waterproofing applications.

Drying

Tack free time	3 hours
Minimum recoat time / Curing time	12 hours
Maximum recoat time	36 hours
Light pedestrian traffic	24 hours
Vehicle traffic	7 days



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Drying cont'd:

Drying times are dependant on ambient and substrate temperature and relative humidity. Colder temperatures/climates will result in increased pot life, recoat and working time. Warmer temperatures/climates will result in decreased pot life, recoat and working time and faster curing rates.

Coverage

Consumption per m ²	250-400 g/m ²
Approximate coverage per 15 litre pail	-
Minimum coats to achieve .2mm dry film thickness	1 coat

Clean up

Tools and equipment should be cleaned before curing using Xylene or MEK.

Packaging

Colour: Grey

Size: 15lt pail

Storage & Shelf Life

Store in original unopened container in a cool, dry, and well-ventilated area, away from heat sources and oxidizing agents. Do not store in direct sunlight or temperatures below 5°C or above 35°C.

Shelf life: 12 months from date of manufacture in unopened packaging.

Limitations

APTC Leakproof ATC is not suitable for use in the following applications:

- Where the substrate temperature is below 5°C or above 35°C
- Where the moisture content of the substrate is greater than 5%
- In extremely cold conditions, heating units should be used to warm product to 15-25°C to allow for workability
- In areas where there is ponding water
- Product must be mixed with mechanical mixer. Shaking pail will not sufficiently mix contents
- **Leakproof ATC** should not be diluted
- **Leakproof ATC** must not be recoated if more than 36 hours has passed.
- The suitability of the product for each intended use must be determined by the purchaser prior to the application of the membrane.



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Health & Safety

APTC Australia supports best practice in material handling; gloves, mask, safety goggles and protective clothing should be worn when handling and using this product. Ensure adequate ventilation when applying and keep away from heat, sources of heat, sparks, open flame and other ignition sources.

Product may cause an allergic skin reaction or eye irritation. May be fatal if swallowed and enters airways. Keep out of reach of children.

SKIN: If product comes into contact with the skin, remove contaminated clothing and wash off with warm soapy water. If skin irritation or rash occurs, seek medical advice. **SWALLOWED:** If swallowed do NOT induce vomiting. Immediately call a Poison Centre, doctor, physician or first aider. **EYES:** In case of contact with eyes, wash out immediately with water. If irritation occurs, seek medical advice. Removal contact lenses if present and easy to do so. Keep flushing eyes. Seek medical advice. **INHALATION:** Remove from contaminated area and keep comfortable for breathing. Seek medical advice.

If poisoning occurs, contact a doctor or Poisons Information Centre Ph 13 11 26 (Australia).

Safety data sheets (SDS) for this product are available on the APTC Australia website www.aptc Aust.com.au. Read the TDS and SDS carefully before using any product.

Disclaimer

The information and recommendations provided regarding the application and use of APTC Australia products are based on APTC Australia's current knowledge and experience, assuming proper storage, handling, and application according to our guidelines. However, due to variations in materials, substrates, and site conditions, we cannot guarantee any warranties related to merchantability or fitness for a particular purpose, nor assume any liability based on this information, written recommendations, or other advice. Users must assess the suitability of the products for their specific application and purpose. APTC Australia reserves the right to modify product properties at any time. Third-party proprietary rights must be respected. All orders are subject to our current terms of sale and delivery. For the most up-to-date product information, users should refer to the latest version of the local product data sheet, which can be provided upon request.

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