

APTC Leakproof SBR830

Water based SBR latex membrane

Description

APTC Leakproof SBR830 is a Class III, waterborne SBR latex membrane formulated for use under tile finishes in waterproofing applications. Fibre reinforced with excellent adhesion to building substrates, it has outstanding workability and cures to form a tough and durable elastomeric finish.

APTC Leakproof SBR830 is solvent free and has been independently tested and certified as compliant with AS 4858:2004 and AS 4654.1:2012, and meets the requirements of AS 3740 and AS 4654.2, for use in internal and external wet areas.

Uses

APTC Leakproof SBR830 is suitable for use as an under tile waterproofing membrane in the following applications:

- Internal wet areas: shower recesses, bathrooms, toilets, laundries, kitchens
- External wet areas: balconies, decks, podiums, terraces

Suitable substrates: concrete, masonry, render, screed, compressed fibre sheeting and plasterboard.

Features & Benefits

Class III	Flexible and elastomeric
Solvent free	Tough and durable finish
Quick drying	Fibre reinforced
Excellent adhesion to variety of substrates	Complies with AS 4858: 2004 and AS4654.1:2012

Specifications and Technical Properties

	METHOD/STANDARD	
APPEARANCE & CONSISTENCY		Blue viscous liquid
SPECIFIC GRAVITY		1.2G/cm ³
TENSILE STRENGTH	AS 1145	1.5MPa
ELONGATION AT BREAK	AS 1145	> 350%
WATER VAPOUR TRANSMISSION	ASTM E96 Desiccant method	3.9g/24/24h/m ²

Surface Preparation

All surfaces and substrates to be waterproofed must be clean, sound and dry without any surface water. The substrate must be smooth and free of any voids with all loose particles, grease, oils, silicones, curing compounds and laitance removed before the waterproofing application begins.

Surface Preparation cont'd

- 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.
- Masonry surfaces should be pointed flush and all other surface defects, voids, cracks, holes, or damaged sections should be filled and levelled before application begins
- New concrete and render - must be allowed to cure for a minimum of 28 days before application.
- Sand/cement render screeds- must be allowed to cure for a minimum of 7 days before application

Priming:

All surfaces to be waterproofed must be primed before application of the membrane.

Primer must be applied in accordance with relevant standards.

- Porous substrates: must be primed with **APTC Leakproof Primer 800**.
- Damp substrates/surfaces*: must be primed using **APTC Leakproof MB2K** (1-2 coats at 1L/4m²)
- Contact APTC Australia for further information on priming non porous substrates.

*>80%RH tested to ASTM F2170 or 5% moisture content tested to ASTM F2659

Bond Breaker Installation:

The use of a bond breaker such as **APTC Proflex HY** or **Proflex MS** is required in all wall and floor joints, horizontal/vertical joint transitions, flanges, fixtures, internal corners, penetrations, outlets and wherever the substrate changes direction.

- Joints should be filled and tooled smooth
- All nail and screw holes and substrate gaps around the outlets and flashings must also be sealed and tooled smooth
- Static cracks (≥1mm up to 6mm) should be cleaned and any loose material from inside the crack/screw hole should be removed before the crack is filled flush with the surrounding substrate with **APTC Proflex HY** or **Proflex MS** and allowed to cure.

Reinforcing of joints:

A joint bandage such as **APTC Leakproof Bandage** or **APTC Leakproof Butyl Tape** can be used in conjunction with **APTC Proflex HY** or **Proflex MS** for additional reinforcement.

Joint bandage must be used and installed in accordance with Australian waterproofing standards.

Application

APTC Leakproof SBR830 should be applied in a minimum of 2 coats to achieve a final dry film thickness (DFT) of minimum 0.9mm.

- Apply the membrane using a brush or medium nap roller



Application cont'd

- First coat: apply an even and consistent coat achieving a minimum wet film thickness of 0.75mm.
- Second coat: apply a second coat at right angles to the first achieving a minimum wet film thickness of 0.75mm.
- Allow 2-4 hours drying time between coats depending on ambient conditions.
- Regular use of a wet film gauge is recommended during the application process to ensure the correct dry film thickness is achieved

APTC Leakproof SBR830 must be installed in line with the current edition of the NCC (National Construction Code of Australia) pertaining to internal and external waterproofing applications.

Finishings:

APTC Leakproof SBR830 is compatible with most quality Class II and III tile adhesives. For direct fixing of tiles or screeding contact APTC Australia for recommendations and advice on suitable adhesives and screeding options.

Drying

Recoat time per coat	2-4 hours
Tiling / Screeding	Minimum 48 hours
Full cure	10 days

Drying times are based on ambient temperatures of 23°C & 50% relative humidity. Longer drying times will be required in cold, damp or humid conditions.

Coverage

Consumption per m ²	1.5 litres
Approximate coverage per 15 litre pail (2 coats)	10m ²
Minimum coats to achieve 1mm dry film thickness	2 coats

Coverage rates shown are dependent upon the condition of the substrate and are a guide only. Uneven and porous substrates will require more coverage to achieve the film thickness specified above.

Clean up

Tools and equipment can be cleaned with warm water and detergent whilst the membrane is still wet. Once dried, membrane will require removal mechanically or with a solvent.

Packaging

15lt pails

Storage & Shelf Life

Store unopened and off the ground in a cool, dry and weatherproof place.

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



Limitations

APTC Leakproof SBR830 is not suitable for use in the following applications:

- On damp or high moisture content substrates unless suitably primed.
- When the air or substrate temperature is above 35° or below 5°C
- When it is raining or rain is imminent
- Immersed applications
- Directly over protective coatings
- **APTC Leakproof SBR830** is non trafficable and is not UV stable.
- The suitability of the product for each intended use must be determined by the purchaser prior to the application of the membrane.

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.

Product may cause an allergic skin reaction or eye irritation. Keep out of reach of children.

SKIN: If product comes into contact with the skin, wash off with warm soapy water. **SWALLOWED:** If swallowed do NOT induce vomiting. Give a glass of water and seek medical advice. **EYES:** In case of contact with eyes, rinse carefully for several minutes. Seek medical advice. **INHALATION:** Remove from contaminated area and 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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