

APTC Prosan2 MR Silicone

Mould resistant silicone sealant

Description

APTC Prosan2 is a premium contractors grade neutral cure mould resistant silicone sealant. Specially formulated as a wet area sealant, it is designed to resist the growth of mould and mildew in areas where high humidity and temperature exist such as bathrooms, kitchens and laundries.

APTC Prosan2 adheres to a wide range of building materials and finishes, is non slumping and is capable of withstanding up to $\pm 25\%$ joint movement.

Uses

APTC Prosan2 is suitable for use in and around:

- Wet areas—bathrooms, laundries, kitchens, toilets, sinks, bathtubs, fibreglass spa units
- Sealing around sinks, basins, bathrooms fixtures, shower screens and tubs
- Glass, tiles, ceramic, porcelain, enamel painted surfaces

Suitable substrates: Ceramic tiles, grout, glass, aluminium, brick, cement, fibreglass, baked enamel

Features & Benefits

Mould resistant	Durable—long life reliability
Specially formulated for wet areas	Excellent resistance to weathering
Neutral cure	Capable of up to $\pm 25\%$ joint movement
Adheres to a variety of substrates	Easy to use
Non slumping	

Available colours

Product Code	Colour	Product Code	Colour	Product Code	Colour	Product Code	Colour
200	Translucent	207	Havana	215	Dark Grey	222	Oak
201	White	208	Alabaster	216	Slate Grey	223	Chocolate
202	Ceramic Grey	209	Taupe	217	Midnight	224	Gloss Black
203	Ceramic Ivory	210	Misty Grey	218	Teak	225	Primrose
204	Mid Grey	211	Off White	219	Aluminium		
205	Stone	212	Dark Ivory	220	Nuberry		
206	Travertine	213	Dark Bronze	221	Bluestone		

Specifications and Technical Properties

TACK FREE TIME	20 minutes (@25°C / 50%R.H.)
CURING RATE	2mm/24h (25°C / 50%R.H.)
SHORE A HARDNESS	28
TEMPERATURE RESISTANCE	-50°C to +150°C
TENSILE STRENGTH	1.5 MPa
JOINT MOVEMENT CAPABILITY	±25%

Surface Preparation

All surfaces and substrates must be clean and sound. Any loose particles, wax, grease, oils, silicones, curing compounds or laitance must be removed before application of the product.

Non-porous substrates (glass, aluminium):

- Solvent wipe the joint surfaces using a non-oily solvent such as MEK, White Spirits or Mineral Turpentine on a clean white lint free cloth to remove and contaminants or oils
- Immediately wipe with a second clean dry cloth to remove any traces of solvent and contamination

Porous substrates (concrete):

- Abrade the surface with a wire brush or similar to remove loose debris, paint and other contaminants.
- Remove dust with an air blast or high pressure water blast
- Allow to dry before sealing

Substrates with a high wax content on the surface such as powder coat must be thoroughly cleaned with a solvent cleaner before the application of the sealant.

Primer:

APTC Prosan2 will generally provide excellent adhesion without the use of a primer on most substrates. For optimum adhesion, a primer may be required for some substrates. Please consult with APTC Australia for recommendations on the use of primers with this product.

Joint Design:

Joints should be designed to accommodate both the sealants movement capability and expected joint movement.

- Minimum joint depth 6mm
- Minimum joint width 6mm
- Maximum joint width 50mm

For best performance and maximum adhesion on larger joints, the width of the joint should be greater than the sealant depth. Refer to APTC Australia for technical advice on joint design.



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Substrate Preparation cont'd:

Backing Rod:

Backing rod such as closed cell polyethylene or open cell polyurethane foam can be used in the joint to ensure correct sealant depth and avoid 3 sided adhesion. Place all backing materials before priming and application.

Pre-testing for adhesion

Where adhesion is critical to the success of the project, APTC Australia requires preliminary pre-testing of adhesion and compatibility prior to the commencement of application.

Pre-testing for adhesion is intended to eliminate potential field problems. Variability on the quality, type, cured properties and surface contaminants can affect adhesion. Pretesting will aid in determining the proper surface preparation method.

Application

APTC Prosan2 can be applied using a quality cartridge applicator gun.

- Cut nozzle to the desired width and screw onto the cartridge
- Extrude the sealant firmly into the joint ensuring it completely fills all cavities and wets out both sides of the joint.
- Tool sealant off in a concave shape immediately after sealant application to ensure a quality finish. Clean/wipe excess sealant using a suitable sealant tool. When sealing horizontal joints, tool the sealant so that any liquids or moisture do not collect or pool on top of sealant.
- Do not use soap or water as a tooling aid
- Masking tape can be used but must be removed before sealant begins to skin.
- After a skin has formed, do not disturb the joint for 48 hours. Avoid contact with various cleaning agents or solvents whilst sealant is curing.
- Application temperature must always be between 5°C and 50°C.

Painting:

APTC Prosan2 cannot be painted and must not be applied to freshly painted surfaces.

Maintenance

APTC Prosan2 contains a fungicide that will inhibit the growth of mould and mildew on the sealant however under constant or long term use the effectiveness of the fungicide will diminish. Regular cleaning of the sealant to remove any build up of soap residue or grime will prolong the effectiveness of the fungicide and performance of the sealant. Please consult with APTC Australia for recommendations on cleaning and maintaining silicone sealant.



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Maintenance cont'd:

Damage:

If cured sealant becomes damaged, the damaged portion must be replaced.

Clean up

Fresh/wet sealant can be cleaned using a solvent such as xylene, toluene or MEK. Cured sealant is not soluble and can only be removed by trimming with a blade. Avoid undercutting the seal.

On porous surfaces allow sealant to cure before removing by abrasion.

Packaging & Shelf Life

Packaging: 300ml cartridges

Storage/shelf life: Store in original unopened container in a cool dry place. Storage temperatures should not exceed 30°C. Sealant should be used before "Use by" date printed on top of the cartridge. Once cartridge is opened, sealant may still be used provided it is within "Use by" date. Remove any cured sealant from the nozzle before using.

Limitations

APTC Prosan2 is not suitable for use in the following applications:

- On frost-bearing surfaces or if temperature is below 5°C or above 50°C
- Structural glazing, general glazing applications or where sealant will come in direct contact with reflective coatings on mirrors
- Highly porous substrates such as marble or natural stone where sealant may bleed into or affect substrate appearance
- Aquariums, fishtanks, under water applications or where chlorides are present (swimming pools)
- Continuous water immersion
- Where sealant is in direct contact with food or drinking water
- Sealant may discolour copper and brass
- In below ground joints or trafficable joints
- Do not apply to polycarbonate plastic sheeting. Testing must be conducted before applying to other types of plastic
- In confined or closed areas where sealant cure be inhibited by lack of air or moisture
- **APTC Prosan2** is not paintable
- The suitability of the product for each intended use must be determined by the purchaser prior to the application of the sealant.



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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.

Product may cause an allergic skin reaction and serious eye irritation. Keep out of reach of children. **SKIN:** If product comes into contact with the skin, remove contaminated clothing & wash off with warm soapy water. Seek medical advice if irritation occurs. **SWALLOWED:** DO NOT induce vomiting unless directed to do so by medical personnel. Seek medical attention. **EYES:** In case of contact with eyes, hold eyes open and flood with water for at least 15 minutes. Remove contact lenses if present after the first 5 minutes. Seek medical advice. **INHALATION:** Remove from contaminated area and keep comfortable. 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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