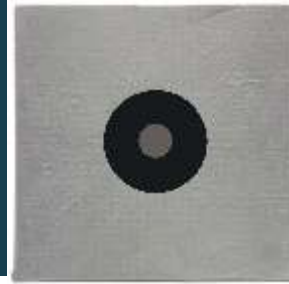


The BT Flange is a flexible, non-woven polyester-backed EPDM rubber sealing system, designed to provide a permanent, airtight, and watertight seal around penetrations in various construction and industrial applications.



Product Type: **Non-Woven Backed BT Flange**
 Adhesive Type: **High Performance Butyl Adhesive**
 Size: **125mm x 125mm**
220mm x 220mm

PRODUCT DESCRIPTION

- Material Composition: Flexible EPDM rubber laminated with a non-woven polyester backing.
- Adhesive Properties: High-tack, pressure-sensitive butyl adhesive that provides long-term bonding strength.
- Performance Characteristics: Resistant to UV exposure, temperature fluctuations, moisture, and aging.
- Application Areas: Suitable for roofing, facades, ventilation ducts, pipe penetrations, and general waterproofing applications.

APPLICATION INSTRUCTIONS:

BT Flange is used to ensure a secure and durable airtight and watertight seal around penetrations in various surfaces. Typical applications include:

- Construction & Building Industry: Sealing penetrations in roofing, wall systems, and facade installations.
- HVAC Systems: Ensuring airtight seals around ductwork penetrations.
- Waterproofing & Damp Proofing: Providing long-term moisture resistance in wet areas.
- Pipe & Cable Penetrations: Creating a protective seal around plumbing and electrical installations.

SURFACE COMPATIBILITY

BT Flange is compatible with a wide range of building materials, including:

- ✓ Common construction surfaces
- ✓ Concrete, tiles, and bricks (including coatings containing hydraulic binders)
- ✓ Metals: Aluminium, galvanized steel, stainless steel, copper
- ✓ Glass, treated wood, and PVC

Important:

- Users must verify adhesion, chemical compatibility, and staining resistance under their specific application conditions.
- If applying to friable, porous, or fragile surfaces, a liquid primer may be required for stabilization before application.

SURFACE PREPARATION

Proper surface preparation is critical to ensure maximum adhesion and performance:

- 1.Cleaning: Ensure that all surfaces are clean, dry, and free of dust, grease, and contaminants. For heavily contaminated surfaces, use a suitable solvent or detergent before drying thoroughly.
- 2.Stabilization: For porous, friable, or weak surfaces, pre-treat with a liquid primer to enhance adhesion and surface integrity.
- 3.Temperature Considerations: The recommended application temperature is between +10°C and +40°C. For applications between 0°C and +5°C, ensure the absence of frost or condensation on the substrate.

STORAGE & HANDLING:

- Storage Conditions: Store in a cool, dry place, away from direct sunlight and moisture.
- Shelf life: Up to 24 months when stored in original, unopened packaging.
- Handling Precautions: Avoid prolonged exposure to extreme temperatures before application.

TECHNICAL PERFORMANCE:

Property	Test Method	Value
Tensile Strength	ISO 37	>10.0 Mpa
Peel Strength	ISO 813	>10 N/cm
Water Vapour Transmission Rate	ASTM E96	<1.0 g/m ² /24hr/mm
Service Temperature Range	Internal Testing-40°C to +90°C Internal Testing +10°C to +40°C	
Application Temperature Range		
• UV Resistance: Excellent		
• Weather Resistance: High durability under extreme conditions		
• Chemical Resistance: Compatible with most building materials		

INSTALLATION GUIDELINES

For best results, follow these step-by-step application instructions:

1. Positioning: Align the BT Flange with the penetration point and ensure proper fit before removing the release liner.
2. Adhesive Application: Gradually remove the release liner while applying firm, even pressure to the sealing collar. Avoid trapping air bubbles beneath the material to ensure a uniform bond.
3. Contour Matching: Adapt the material to surface contours to reduce stress and prevent peeling over time. Ensure the material fully conforms to surface irregularities for a complete seal.
4. Pressure Application: **Use a roller to secure the adhesive bond. Recommended application pressure: 5 g/cm² to 15 g/cm².**
5. Final Inspection: Verify full adhesion, particularly along the edges. Ensure no water retention risk in waterproofing applications.

HEALTH & SAFETY INFORMATION:

- This product contains butyl adhesives - use in well-ventilated area.
- Wear protective gloves and safety glasses during application.
- If contact occurs with skin or eyes, wash immediately with soap and water and seek medical if irritation persists.
- Refer to the Safety Data Sheet (SDS) for detailed health and safety guidelines.

DISCLAIMER

Values: All values presented in this document have been determined using standard test methods and represent average figures. Variations may occur depending on environmental conditions and application methods.

Recommendations: While we provide product recommendations based on our expertise, it is essential that customers and end-users perform their own tests to verify the product's suitability under their specific working conditions. If long-term performance is critical, we strongly advise conducting aging tests under real-world conditions.

Warranty: Our products are warranted only to the extent that they conform to the specifications outlined in our Product Information Sheet. However, we do not accept liability—direct or consequential—for any losses, damages, or failures arising from the use of our recommendations or the product itself.

Item Code: BTFL

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GUARANTEE

BuildGreen guarantees that Keratrade Products are free from manufacturing defects and will meet any applicable specifications published by us for a period of 10 years from the date of purchase. Refer to the BuildGreen Guarantee.

DISCLAIMER

The technical details and recommendations are provided based on the best knowledge at the time. It is the user's responsibility to ensure the correct use and handling of the products in line with applicable Australian Standards. Users should verify that the product is appropriate for their specific applications and meets system specifications. We reserve the right to change information without prior notice as part of ongoing research and development.