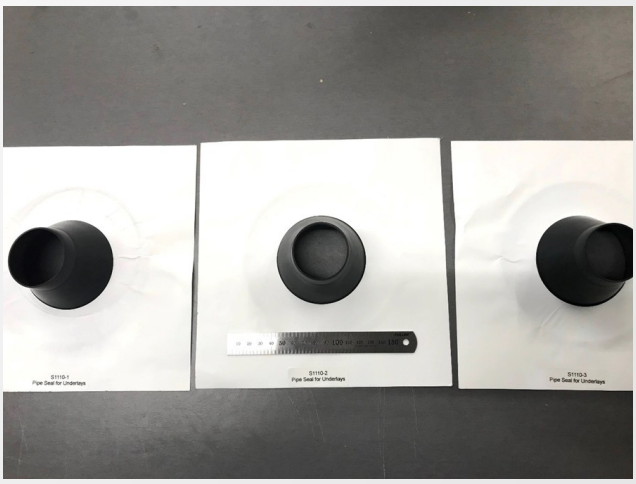
Product Technical Statement

PTS # 2017

EXPIRY DATE: 31 Aug 2026

The HNB Pipe Gaskets for Underlays product range



Product

1.1 HNB pipe gaskets for underlays, self-adhesive flexible air barriers and rigid air barriers, is a range of products designed to provide a wind and moisture resistant seal. The pipe gaskets are a simple, effective method to ensure long-term weathertightness.

The range of products is made from a flexible, durable EPDM rubber hose attached to a water resistant paper-like flange with a self-adhesive backing, which enables the flange to be adhered directly to an underlay that complies with the NZBC. It is typically installed over timber or light gauge steel framing designed and constructed according to NZS3604 or a NASH Standard.

New Zealand Building Regulations

2.1 In the opinion of BEAL, the range of HNB pipe gaskets for underlays will comply with the following performance clauses of the New Zealand Building Code (NZBC):

B1 Structure – B1.3.3 (h) – Wind loads
B1.3.2 – Adhesion
B2 Durability – B2.3.1 (a) – 50 years
E2 External Moisture – E2.3.2 – Wind and moisture resistance
F2 Hazardous Materials – F2.3.1– No hazardous materials used.

2.2 The HNB range of pipe gaskets has been assessed as an Alternative Solution in terms of compliance with the New Zealand Building Code and meets a manufacturer's obligations under Section 14G 'Responsibilities of product manufacturer or supplier' of the Building Act 2004.

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Scope and Limitations

3.1 The product must be installed as per the HNB instructions printed on the gasket.
3.2 The product must be installed by persons experienced with the installation of underlays.
3.3 Installation of these products shall be the responsibility of the supervising LBP.

Technical Details

4.1 The HNB range of pipe gaskets for underlays is designed to provide a wind and moisture resistant seal around the following pipe sizes:

- 8mm to 12mm
- 15mm to 22mm
- 25mm to 32mm
- 42mm to 55mm
- 50mm to 70mm
- 75mm to 90mm
- 100mm to 110mm
- 125mm to 135mm
- 150mm to 165mm
- 200mm to 220mm.

4.2 The pipe gaskets are designed for use where pipes penetrate the underlay in exterior walls.
4.3 The product has been evaluated for compliance against the following performance requirements.
B1 Structure – B1.3.3 (h) – Wind loads. The product meets the requirements of this performance clause.
B1.3.2 – Adhesion. The product meets the requirements of this performance clause
B2 Durability – B2.3.1 (a) – 50 years. The product will meet this requirement.
E2 External Moisture – E2.3.2 – Wind and moisture resistance. The product will meet this requirement. (Roofs and exterior walls must prevent the penetration of water that could cause undue dampness, damage to *building elements*, or both.)
F2 Hazardous Materials – F2.3.1– No hazardous materials used. The product will not present a health hazard to people.

Evidence of Compliance

4.1 BEAL uses the compliance verification procedure to assess compliance with the relevant clauses of the New Zealand Building Code. The following is a summary of additional technical investigations carried out.

- Assessment of ease of installation (a buildability assessment by BEAL staff).
- BEAL test reports TR200321, TR200325-1 and TR200325-2. The product was tested for weathertightness, adhesion before and after accelerated ageing, wind and moisture resistance, and resistance to moisture over time.

Basis of this Product Technical Statement

This Product Technical Statement is based on an independent, third-party review and assessment by BEAL of the technical and compliance information provided by the product manufacturer. A Product Technical Statement can be used anywhere where the scope and limitations allow.

Authorised signatory,

C R Prouse – Director
BEAL (Building Element Assessment Laboratory Limited)
[Updated October 2024]