



Thursday, 18th March 2021

Mr. Kaufmann Chen
1 Fairfax avenue
Penrose
Auckland, 1061.

Dear Kaufmann,

Re: Providing a BCA with a Product Technical Statement for a building product - PTS2017

The document 'Using the Product Assurance Framework to Support Building Code Compliance – A Guide for Manufacturers and Suppliers' suggests in section 6, "a new approach" for building Product manufacturers to demonstrate compliance with relevant performance clauses of the New Zealand Building Code, by way of a 'Product Technical Statement'.

The key elements of a Product Technical Statement' are –

- Statement of Building Code compliance
- Scope of Use (including limitations)
- Consenting instructions

A Product Technical Statement can be used anywhere where the scope and limitations allow.

1. This Product Technical Statement is for:

The 'HNB Pipe Gaskets for Underlays' (product range) supplied by C & Y NZ Ltd.

2. Statement of Building Code Compliance

The range of HNB Pipe Gaskets for Underlays will comply with the following performance clauses of the New Zealand Building Code based on the evidence described in section 5 of this document.

- **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**

3. Scope of Use (including limitations)

The range of products is designed to provide a wind and moisture resistant seal around the following pipes 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 and 200mm to 220mm;
penetrating an underlay and the underlay sheet in wall cavities.

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

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

4. Consenting Instructions

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.

5. Evidence of Compliance

Evidence of Compliance with the relevant performance requirements of the New Zealand Building Code (*available upon request*) includes the following assessments and or tests:

- Assessment of ease of installation (a buildability assessment by BEAL staff);
- Test reports TR200321, TR200325-1 and TR200325-2 from BEAL covering of adhesion before and after accelerated ageing, wind and moisture resistance, and streaming water resistance over time.

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 'S14G Responsibilities of product manufacturer or supplier' of the Building Act 2004.

Yours faithfully,



C.R.Prouse
Director

Building Element Assessment Laboratory Limited

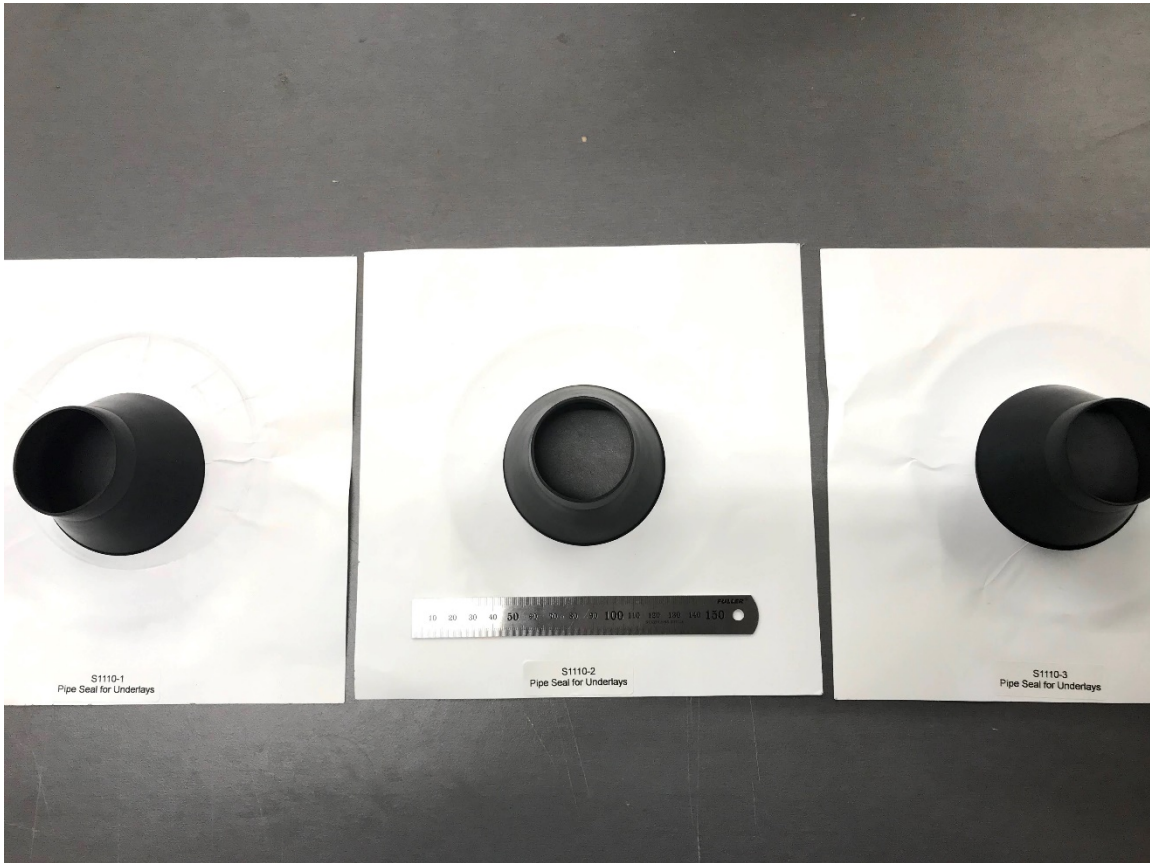


Figure 1 – Photo of sample HNB Pipe Gaskets



Figure 2 – Photo of weathertightness testing