

# A Technical Opinion

*from*



TO-1001

A technical opinion about the compliance with Clause B1 Durability and Clause E2 of the New Zealand Building Code for  
*for*  
VPI Building Products (Pty.) Ltd.,  
Katoomba, NSW, Australia,  
*of the*  
EVERLAST D5I15 range of PVC weatherboards when used solely as a decorative over-cladding.

# A Technical Opinion

## Product Description

VPI Building Products (Pty.) Ltd., the manufacturer of the EVERLAST range of PVC weatherboards, has requested an independent opinion about the conformance of their building system over an existing cladding, with Clause B1 and Clause E2 of the New Zealand Building Code, where the building is deemed to be housing.

VPI Building Products (Pty.) Ltd., has submitted samples, installation information and photos illustrating the process for installation of the PVC weatherboards as a non-intrusive over-cladding, which this technical opinion is limited to.

The EVERLAST range of PVC weatherboards includes three profiles of 250mm cover, 1.2mm thick material at three thicknesses of 17mm, 20mm and 25mm overall profile thicknesses in lengths of 5.84m. They incorporate a low density polystyrene insulation section attached to the back of the profiled boards.

The EVERLAST building system incorporates a number of accessories including an edge system for installation around windows, doors and similar openings, in order to provide a border into which the PVC boards are inserted.

## Specific Performance Requirements of the NZ Building Code

### Clause B2 - Durability

Based on the limits of this technical opinion and the information provided, the EVERLAST range of PVC weatherboards will meet the performance requirements of Clause B2.

Note: As the product is not to be used where there is any new penetration or flashing being created through the existing cladding, the weatherboards will not need to meet the performance requirements of Clause E2 as they will be solely decorative.

When a building is to be over-clad with the EVERLAST range of PVC weatherboards, it is essential to verify compliance of the existing cladding system, with the performance requirements of Clause E2 before the PVC weatherboards are to be installed.

In order to show compliance, a suitably qualified person with the appropriate test equipment, shall evaluate the weathertightness or otherwise of the existing cladding and confirm compliance before the PVC weatherboards are to be installed. The evaluation shall include the assessment of any timbers that may have rot in them. A copy of the weathertightness report shall be made available to the relevant Building Consent Authority.

# Basis of the Opinion

## Clause B2 - Durability

Compliance with the performance requirements of Clause B2.3.2 (b) 15 years, was verified using a combination of 'in-service history in Australia' and investigations into the quality control of the material used in the manufacture of the product.

# Reference Information

VPI Cladding Over-cladding Installation Guide dated 2009  
The Manufacturer's general information



## Authorised Signatory -

**C R Prouse - Principal Building Scientist**

15 March 2010

**Date of Issue**