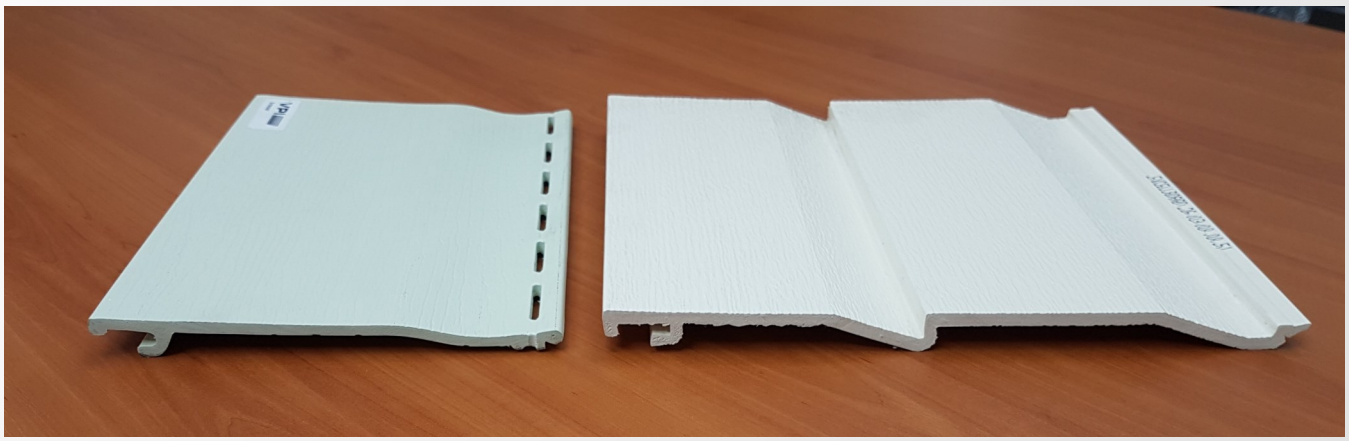
A Product Technical Statement

PTS# C1715

EXPIRY DATE:
31 Mar 2024



Product

1.1 VPI's Everlast D5 Chamfer, Formplex, Extec, Vertical and Armourboard /Excellboard uPVC Weatherboard Systems - are tried and proven weatherboard systems used primarily for the cladding of residential buildings.

1.2 The VPI 'Everlast D5, 'I10', 'I15', 'I20' & 'I25' Chamfer Profile, plus the Formplex, Extec, Vertical and Armourboard / Excellboard uPVC Weatherboard Insulating Cladding Systems', are direct fixed exterior wall claddings incorporating laminated EPS insulation, that provides thermal benefits and durable protection from the weather. Components include J shaped flashings installed around window, door and meter box openings and a bottom closer, using a hidden fixing system.

1.3 The VPI range may be fixed directly to the timber or steel framing over a compliant building paper and approved building paper seals and or flashings for all penetrations.

1.4 The VPI range of weatherboards are to be installed by persons competent with the installation of the product, in accordance with the manufacturer's technical and installation instructions.

NCC Volume Two

2.1 In the opinion of BEAL, the The VPI 'Everlast D5, 'I10', 'I15', 'I20' & 'I25' Chamfer Profile, plus the Formplex, Extec, Vertical and Armourboard / Excellboard uPVC Weatherboard Insulating Cladding Systems' when designed, installed and maintained in accordance with the statements and conditions of this Product Technical Statement, will meet the following provisions of the Building Code of Australia:

Clause P2.2.1 The VPI 'Everlast D5 Chamfer, Formplex, Extec, Vertical and Armourboard / Excellboard uPVC Weatherboard Systems' are considered a 'Performance Solution' that complies with Performance Requirement P2.2.1, Performance requirement P2.2.2 and any relevant Performance Requirement determined in accordance with General requirement 1.0.7. of NCC Volume 2 subject to the scope of use and limitations described below.

Scope and Limitations

3.1 Scope of Use

The VPI Everlast D5 Chamfer, Formplex, Extec, Vertical and Armourboard / Excellboard uPVC Weatherboard Systems are a range of direct fix claddings installed over a building paper for use on houses and small buildings as defined in NCC Volume 2.

3.2 Limitations

Installation of the VPI Everlast D5 Chamfer, Formplex, Extec, Vertical and Armourboard / Excellboard uPVC Weatherboard Systems are limited to buildings within wind Regions A1 to A5 and which comply with the Verification Method V2.2.1 (a) Weatherproofing.

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All aspects of design, use, installation and maintenance contained within the technical literature and scope of this Product Technical Statement must be followed. Installation shall be carried out by an installer with the appropriate trade qualifications for the state in which they operate, and in accordance with the current VPI technical literature and the relevant sections of the BCA.

Technical Literature

4.1 Test Reports have been supplied from CSIRO, AMDEL, BRANZ & BEAL as detailed in the Technical Product Specification and Testing Results from VPI dated March 2011;
4.2 The VPI Vinyl Cladding Installation Guide, 2009;
4.3 VPI in-service history statement.

Technical Details

5.1 The product comprises of -
- Starter strip
- A range of uPVC weatherboards, with or without laminated EPS insulation
- Outside corner posts
- Undersill strip
- J channel

5.2 Items supplied by the owner or builder include -
- BCA compliant building paper to protect the framing
- BCA compliant building paper sealing tape
- BCA compliant tape or self-adhesive gaskets for sealing pipe penetrations
- BCA compliant tapes for sealing between the building paper and the window framing.

Basis of this Product Technical Statement

BEAL use the compliance verification procedure to assess compliance with the relevant clauses of NCC Volume Two based on a risk analysis procedure. The following is a summary of additional technical investigations carried out:

In-service History

6.1 The VPI 'Everlast D5, 'I10', 'I15', 'I20' & 'I25' Chamfer Profile, plus the Formplex, Extec, Vertical and Armourboard / Excellboard uPVC Weatherboard Insulating Cladding Systems' have been in use and, when subject to the manufacturer's requirements, performed satisfactorily for the past 15 years in Australia, New Zealand and other parts of the world, in a wide range of conditions.

Other Investigations

6.2 BEAL have carried out an extensive assessment of durability performance on a number of sites and provided a written opinion.

6.3 The installation of the VPI 'Everlast D5, 'I10', 'I15', 'I20' & 'I25' Chamfer Profile, plus the Formplex, Extec, Vertical and Armourboard / Excellboard uPVC Weatherboard Insulating Cladding Systems' have been evaluated (including site visits) in practical building situations assessing the following;
- Ease of installation
- Potential risks of non-performance when being installed
- Any external factors that could affect the quality of the installed product

Ease of repair or maintenance

6.4 The Technical Literature covering repair and maintenance has been examined by BEAL and found to be satisfactory.

Quality

6.5 The manufacture of the VPI 'Everlast D5, 'I10', 'I15', 'I20' & 'I25' Chamfer Profile, plus the Formplex, Extec, Vertical and Armourboard / Excellboard uPVC Weatherboard Insulating Cladding products have been assessed by BEAL regarding the history and composition of the materials obtained by BEAL and found to be satisfactory.

6.6 The quality of materials, components and accessories supplied by VPI (Pty) Ltd. is managed through the use of a Building Product Quality Plan v2.

6.7 The VPI (Pty) Ltd. Building Product Quality Plan, based on a manufacturing quality plan, ensures continuous conformance with the quality requirements from purchase to application by experienced and approved applicators.

6.8 Designers are responsible for the substructure design, and building contractors are responsible for the quality of construction of the substructure or new substrate in accordance with the instructions of the substrate manufacturer and this Product Technical Statement.

6.9 Building owners are responsible for the maintenance of the installed products in accordance with the manufacturer's instructions and this Product Technical Statement.

C R Prouse - Director
BEAL (Building Element Assessment Laboratory Limited)
[Updated June 2023]