EzyCorner Cavity Flashing

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BRANZ Appraised
Appraisal No.920 [2016]

Product

The EzyCorner Cavity Flashing is a combination uPVC batten and flashing, for use in lieu of timber cavity battens and corner flashings at both internal and external corners of walls.

The EzyCorner comes in 2.7m lengths and forms a 100mm x 100mm flashing on an external corner and an 81mm x 81mm flashing on an internal corner. The EzyCorner is 19mm in thickness.

Handling and Storage

Handling and storage of all materials supplied by EzyBuild Products Ltd, whether on site or off site, is under the control of the installer. The EzyCorner Cavity Flashing and EzyCorner Caps must be protected from physical damage and must be stored in clean, dry conditions.

Design

General

The EzyCorner Cavity Flashing can be used on internal and external corners of walls as an alternative to timber and polystyrene battens specified within NZBC Acceptable Solution E2/AS1 Paragraph 9.1.8.4. The EzyCorner Cavity Flashing also provides the corner flashing as specified in NZBC Acceptable Solution E2/AS1, Table 7.

The EzyCorner Cap cavity closer provides vermin proofing to the base of the EzyCorner Cavity Flashing in accordance with NZBC Acceptable Solution E2/AS1 Paragraph 9.1.8.3.

The EzyCorner Cavity Flashing is compatible with wood-based, cement-based, fibre cement, polystyrene-based, metal and uPVC cladding products and flexible and rigid wall underlays.

Structural

The EzyCorner Cavity Flashing must be treated as a non-structural packer only. Fixing lengths for the cladding material must be as required for non-structural timber cavity battens. If the EzyCorner Cavity Flashing is to be used with a cladding system that was originally direct fixed, the fixing length must be increased by a minimum of 20 mm to ensure frame penetration depths are maintained.

Impact Resistance

The EzyCorner Cavity Flashing has adequate resistance to impact loads likely to be encountered in normal residential and commercial use. EzyCorner Cavity Flashing also has adequate resistance to compressive loads likely to be encountered during fixing of the cladding.

Wind Zone

The EzyCorner Cavity Flashing is able to transfer the positive wind loads on the wall cladding to the structural wall frame. The EzyCorner Cavity Flashing is suitable for use on buildings situated in all Wind Zones of NZS 3604 up to, and including, Extra High.

Durability

Serviceable Life

The EzyCorner Cavity Flashing is expected to have a serviceable life of at least 15 years. The EzyCorner Cavity Flashing must not be exposed to weather or ultra-violet (UV) light for more than 60 days prior to the wall cladding being installed.

The EzyCorner Cavity Flashing will have a durability equivalent to that of the cladding to meet code compliance with NZBC Clause B2.3.2 provided the cladding is maintained in accordance with this Appraisal and the EzyCorner Cavity Flashing is continually protected from UV light.

Maintenance

Regular checks, at least annually, must be made of the EzyCorner, wall cladding, flashings and penetrations to ensure they are maintained weathertight and continue to perform their function, to ensure that water will not penetrate the cladding. Ensure drainage holes in EzyCorner cap and cavity closers are clean of grime, dirt and organic growth.

Prevention of Fire Occurring

Separation or protection must be provided to the EzyCorner Cavity Flashing from heat sources such as fire places, heating appliances, flues and chimneys. Part 7 of NZBC Acceptable Solutions C/AS1 – C/AS6 and NZBC Verification Method C/VM1 provide methods for separation and protection of combustible materials from heat sources.

Installation Information

Installation Skill Level Requirements

Installation must always be carried out in accordance with this Technical Literature by, or under the supervision of, a Licensed Building Practitioner (LBP) with the relevant Licence Class.

System Installation

Wall Underlay Installation

The selected wall underlay must be installed by the building contractor in accordance with the underlay manufacturer's instructions prior to the installation of EzyCorner Cavity Flashing.

EzyCorner

The EzyCorner Cavity Flashing may be cut with a hand saw or drop saw.

The EzyCorner Cavity Flashing must be positioned to overhang the bottom plate by a minimum of 15 mm. The EzyCorner Cavity Flashing is fixed to the timber corner framing (internal or external) with 60 x 2.8 mm hot-dip galvanised flat-head nails. For steel framing, 30 mm x 8g galvanised wafer-head screws are used to secure the EzyCorner Cavity Flashing. The EzyCorner Cavity Flashing is fixed to the bottom and top plates, and noggings/blocking at maximum 1200 mm centres. Alternatively, the EzyCorner Cavity Flashing may be adhesive fixed with 25 mm diameter daubs at maximum 600 mm centres along the length of the profile. When adhesive fixing is using, temporary support is required to hold the profile in position while the adhesives cures or the cladding is fixed over.

It is recommended that where practicable, full lengths of EzyCorner Cavity Flashing are used. Where a joint is required, cut opposing lengths with a 30° mitre cut. The slope of the mitre must be such that water is shed to the exterior face of the EzyCorner Cavity Flashing.

The maximum number of joints is one for a wall height up to 3.0 m and two joints for a wall height up to 7.0 m. *(Note: NZBC Acceptable E2/AS1 Paragraph 9.1.9.4 b) limits the height of a continuous cavity to a maximum of 2 storeys or 7.0 m).*

An EzyCorner Cap Cavity Closer is fitted and adhered to the base of the EzyCorner Cavity Flashing at the base of the wall to prevent vermin entry, where cavity closers butt to the side of the EzyCorner Cavity Flashing.

EzyCorner Fixing Details:

EC1 - EZYCORNER - EXTERNAL CORNER June 2016

EC2 - EZYCORNER - EXTERNAL CORNER June 2016

EC3 - EZYCORNER - INTERNAL CORNER June 2016

EC4 - EZYCORNER - INTERNAL CORNER June 2016

EC5 - EZYCORNER – JUNCTION WITH K STRIP WEATHERBOARD June 2016

EC6 - EZYCORNER – JUNCTION WITH K STRIP SHEET CAVITY June 2016

EC7 - EZYCORNER – JUNCTION WITH GENERIC CAVITY CLOSER June 2016