

This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Timloc Building Products – Thermo-loc Platinum + FX cavity closer

Description of Product

This is an assessment of Thermo-loc Platinum + FX, an insulated cavity closer suitable for first and second fix applications, around window and door openings in masonry, timber or steel frame cavity construction. The function of the product is to provide an insulated DPC at jambs and sills at window and door openings, thereby reducing condensation, and alleviating cold bridging and mould growth in these areas. The rigid uPVC profile, housing 25mm thick expanded polystyrene insulation is supplied in three standard profiles to accommodate cavity widths 50-100mm (single profile and flush reveal profile) and 105-150mm (double profile).

Please consult the 'Conditions of Certificate' and 'Non-Regulatory Information' sections to see if the product is acceptable for use on sites covered by LABC Warranty.



Key Factors Assessed

- Health, Hygiene and Environmental
- Safety in Use
- Energy Economy and heat retention
- Durability serviceability and identification

Validity

This certificate was first issued on 25th November 2021 and is valid until 25th November 2022
Issue Dated 25th November 2021

Scope of Registration

This registration applies to Thermo-loc Platinum + FX (CR and Multi versions also) cavity closer only.

The single profile product is supplied in numerous cavity widths, ranging from 50mm to 100mm, (see manufacturers details) comprises of a rigid, extruded uPVC C-section profile with a 25mm deep Platinum expanded polystyrene insulation infill. The double profile version of this cavity closer has two C-section extruded uPVC profiles, around the same insulation type and thickness. This profile is available in 105mm, 120mm, 125mm, 130mm and 150mm cavity widths. The cavity side of both profile types have an additional slot in the uPVC C-section to allow proprietary fixing ties to be installed for use in first fix applications (see manufacturers details).

For first fix applications, the product can be built into the wall as it is constructed using the proprietary fixing ties built into the outer leaf to secure. Alternatively, the product can be trimmed to the required cavity width (single profile only), then friction fitted between the inner and outer leaves of the cavity wall and fixed with nails through the flange for additional security for a second fix application. A minimum overlap of 30mm with the window or door frame is required to meet the requirements of the Accredited Construction Details. There is also a single flange variation of this product (both single and double profiles), suitable for use in a fully rebated or check reveal situations and therefore suitable for use in severe and very severe exposure zones.

For second fix applications the product can be friction fitting into the open cavity after the building work to the door or window opening is completed. The product should be ordered in the required cavity width, but can be easily trimmed on site (single profile only) to accommodate 'rogue' cavity widths. The manufacturer advises fixing nails to the flanges to ensure a secure fit to all profiles on second fix applications. The single profile Platinum+ FX Multi, can be trimmed to the required cavity width, with pre-cut incremental grooves in the EPS insulation layer from 50mm to 100mm. The Platinum+ CR Multi is available for the same cavity width range, but is also suitable for use in a fully rebated or checked reveal location, as it has one flanged omitted to allow fitting up to the inside of the outer leaf of the opening. The Platinum+ FX CR and + FX CR Multi is therefore suitable for use in severe and very severe location zones.

The product should be installed in full lengths (cut to size) to each jamb and sill (manufactured in 2.4m lengths), with jamb section overlapping with the sill section, by cutting away part of the fixing flange, thus maintain any water runoff in the cavity. The jamb sections are suitable for butt jointing in first fix applications, if sections are cut short, due to the provision for proprietary fixings ties in the uPVC profile. The jamb sections should be butted up to the underside of the lintel to alleviate cold bridging. On installation the wall insulation must abut the Platinum+ FX cavity closer to maintain continuity of the thermal envelope.

A minimum overlap of 30mm between window frame and Platinum+ FX cavity closer (all profile types) is required, as per the MHCLG Accredited Construction Details for Masonry, Timber and Steel frame construction. The product has a declared Thermal Conductivity of 0.031W/mK and a thermal resistance path of 0.95m²K/W, which will also comply with the requirements of these details.

LABC consider that, Thermo-loc Platinum + FX cavity closer will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



The Building Regulations 2010 (as amended) at the date of current issue

In England and Wales: Regulation 7

In England:

In Wales:

Note:

In England: AD C

In Wales: AD C

Note:

AD L

In England: AD L1A (2016)

In Wales: AD L1A (2016)

In England: AD L1B (2018)

In Wales: AD L1B (2016)

In England: AD L2A (2016)

In Wales: AD L2A (2016)

In England: AD L2B (2016)

In Wales: ADL2B (2016)

Note:

Materials and workmanship

2013 edition including 2018 amendments

2013 edition including 2020 amendments

The product is acceptable.

Site preparation and resistance to contaminants and moisture 2004 including 2010 and 2013 amendments

Site preparation and resistance to contaminants and moisture 2004 including 2010 amendments

Subject to limitations detailed under Conditions of Certificate.

Conservation of fuel and power

Conservation of fuel and power in new dwellings

Conservation of fuel and power in new dwellings

Conservation of fuel and power in existing dwellings

Conservation of fuel and power in existing dwellings

Conservation of fuel and power in new buildings other than dwellings

Conservation of fuel and power in new buildings other than dwellings

Conservation of fuel and power in existing buildings other than dwellings

Conservation of fuel and power in existing buildings other than dwellings

Subject to limitations detailed under Conditions of Certificate.



The Building (Scotland) Regulations 2004 (as amended)

If you would like to discuss a specific use of the product in Scotland it will require an additional assessment under the Scottish Building Regulations and accordingly you should contact the LABSS STAS Administrator at www.labss.org

Non-Regulatory Information



LABC Warranty

The Thermo-loc + FX cavity closer has not been assessed by LABC Warranty.

Supporting Documentation

PAL Extrusions uPVC profiles- PAL Group

Platinum EPS Declaration of performance- Polypearl Moulded Products

Ace Adhesives- adhesive suppliers.

Declaration of Minimum Thermal Resistance Path, Platinum EPS

Thermo-Loc Platinum + FX- Timloc Data sheet

Product data sheet- Technical Information & installation advice- (Corner formers no longer current)

Items that should be provided in conjunction with the LABC Assured certificate as part of an Application to determine compliance:

- Ensure correct size of cavity closer is specified and also for the correct exposure zone.

Items that should be provided in conjunction with the LABC Assured certificate as part of the Inspection regime to determine compliance:

- Manufacturer's installation guidance

Items that should be provided in conjunction with the LABC Assured certificate as part of a Completion to determine compliance:

- Manufacturer's installation guidance

Contact Information

Timloc Building Products

Timloc House

Ozone Park

Howden

DN14 7SD

Tel: 01405 765 567

Email: technical@timloc.co.uk

Web: www.timloc.co.uk