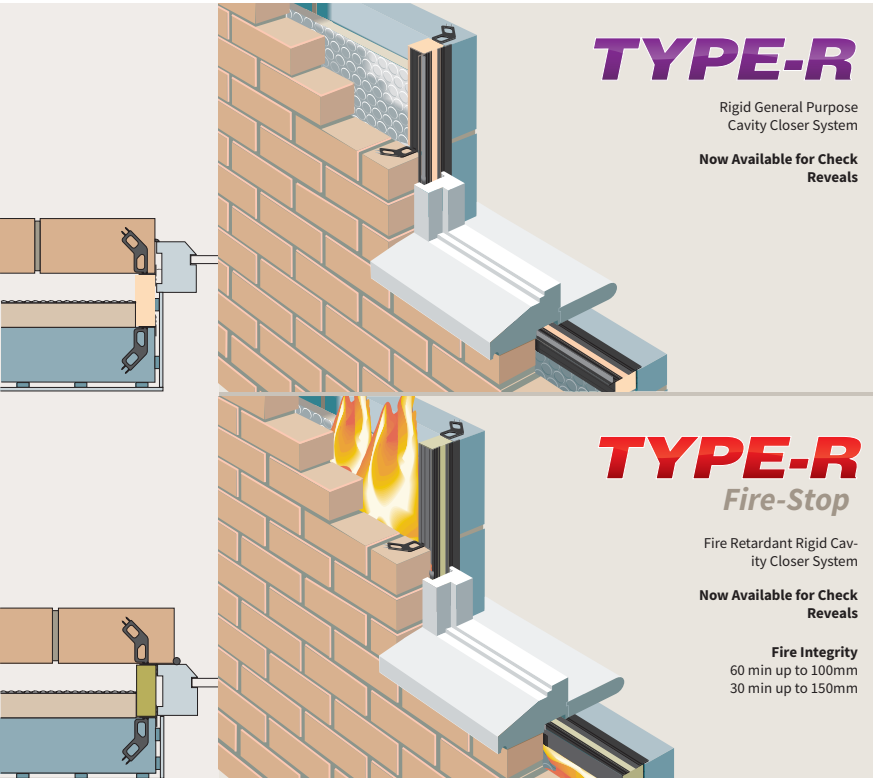


Therma-Close

# TYPE-R

Rigid General Purpose Cavity Closer System

Unique Secondary Water Seal for Frames



**TYPE-R**  
Rigid General Purpose  
Cavity Closer System  
Now Available for Check  
Reveals

**TYPE-R**  
*Fire-Stop*  
Fire Retardant Rigid Cav-  
ity Closer System  
Now Available for Check  
Reveals

**Fire Integrity**  
60 min up to 100mm  
30 min up to 150mm

- Fits Cavities up to 300mm
- NHBC Approved
- Fully Certificated
- Fully Rigid Plastic Cavity Closer
- Unique Secondary Water Seal for Frames
- Ties in to both Leaves
- Meets New Robust Details
- Minimum Thermal Resistance 0.865m<sup>2</sup>k/w

Robust, easy to use on-site and can be cut to size and jointed, minimising waste



**kiwa**  
Partner for progress



**NHBC**

**YBS Insulation**  
HIGH QUALITY PRODUCTS FOR THE BUILDING INDUSTRY

## Features

- **Waterproofing, Insulating and Self Locating in one fully assembled piece.**
- **TYPE-R's unique design incorporates a flexible water seal which reduces the possibility of water penetration. (in robust detail)**
- **Robust, easy to use on-site and can be cut to size and jointed, minimising waste.**
- **Eliminates the need for blockwork to close the cavity.**
- **Both are CFC & HCFC Free - TYPE-R brick tie - kind to the environment.**

## YBS Type-R

TYPE-R and Type-R Fire-Stop are specially designed to create a more rigid water proof cavity closer system.

TYPE-R and Type-R Fire-Stop comprise two rigid extensions, one of which has a unique, flexible, water seal. Once the window is in place the flexible seal sits against the window frame and acts as a secondary water seal.

These two rigid extensions allow TYPE-R and Type-R Fire-Stop to be made to any cavity width. TYPE-R and Type-R Fire-Stop are now available for both standard and check reveals to suit Robust Details.

YBS TYPE-R and TYPE-R Fire-Stop ties are also available to enable, if required, the closer to be built into both leaves. TYPE-R and TYPE-R Fire-Stop is designed to be used in door thresholds and both jambs and cills of windows, this provides a total solution to cold bridging problems associated with openings in traditional cavity wall construction.

Continual demand for greater thermal efficiency has lead to the reduction of the 'U' value requirements of structures, emphasised in the recent revision of Building Regulations (L1 & L2) and Building Standards Part J. TYPE-R and TYPE-R Fire-Stop are designed to offer the perfect solution for the specifier to satisfy this requirement.

**For technical advice and support please call:**

0871 917 0044

## Type-R can be installed in a variety of ways

- Tack to window frame if built-in
- Built-in as work progresses using special ties (see fig. 2)
- TYPE-R can be installed after the reveal has been constructed by fixing to the inner leaf using holes provided.

## Vertical Jointing

If required, sections of (Therma-Close) TYPE-R can be jointed to minimise waste. All joints must be tightly butted - 45° down wards towards the outer leaf. This will stop potential water penetration.

## Corner Jointing

When jointing horizontal to vertical, trim both PCV flanges and allow the vertical to extend below the horizontal - this stops water ingress

## Check Reveal & Robust Details

The diagrams below shows a window jamb in a masonry cavity wall, with Type-R and Type-R Fire-Stop closing the cavity. Robust details require a cavity closer with a minimum Thermal Resistance Path of 0.45m<sup>2</sup>K/W .

The approach used to calculate the thermal resistance of its minimum thermal resistance path was in accordance with the guidance given in BRE IP 8/08. The minimum thermal resistance calculated for Type-R is 0.865m<sup>2</sup>k/w

**The only rigid Cavity Closer available which creates a secondary water seal by use of a flexible strip. OR available for check reveal detail.**

**Bespoke widths available phone for details**

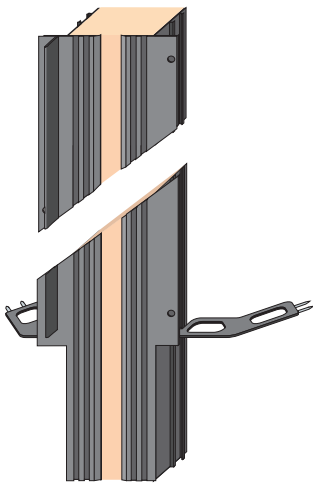
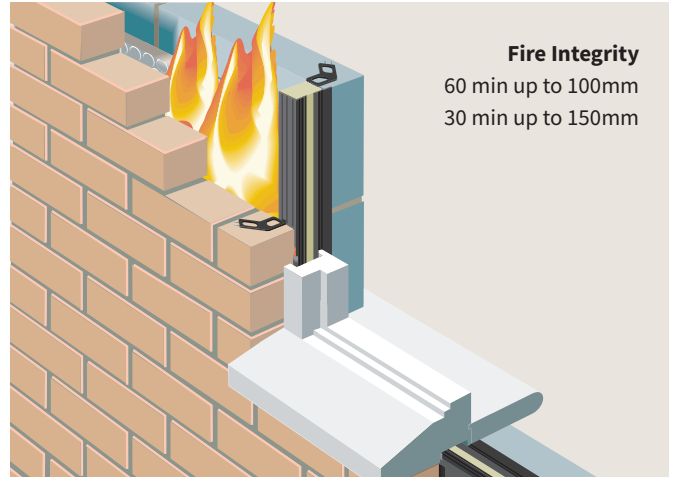
# TYPE-R

Rigid General Purpose Cavity Closer System



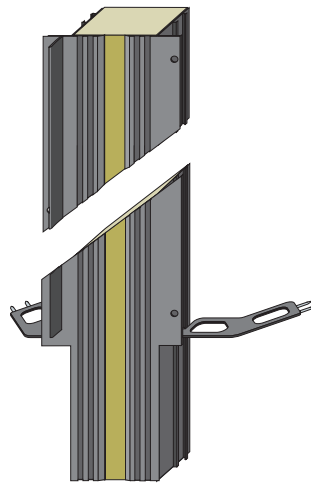
# TYPE-R Fire-Stop

Fire Retardant Rigid Cavity Closer System



**(Therma-Close) TYPE-R is supplied in 2.5m lengths and can be supplied to suit any cavity width.**

**(Therma-Close) TYPE-R is available for Robust and Check Reveals**



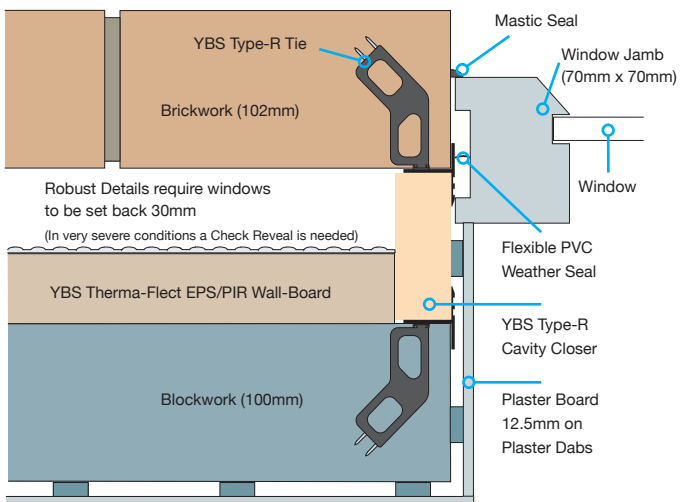
**(Therma-Close) TYPE-R Fire-Stop is supplied in 1.2m lengths and can be supplied to suit any cavity width.**

**TYPE-R Fire-Stop is available for Robust and Check Reveals**

Example of Thermal Resistance for

## TYPE-R

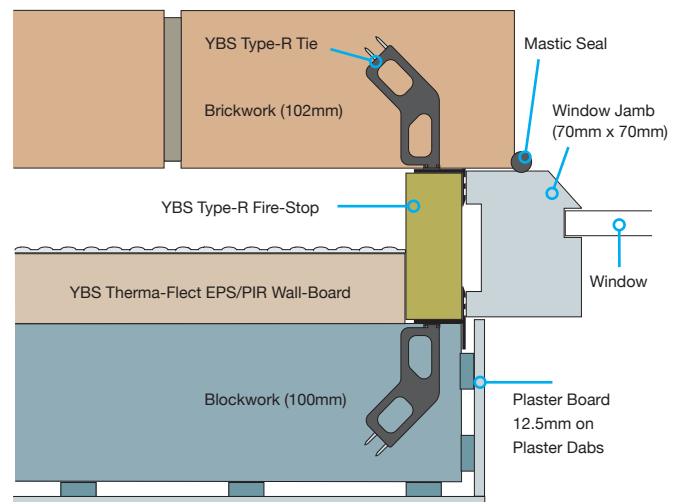
Robust Details



Example of Thermal Resistance for

## TYPE-R Fire-Stop

Check Reveal



Therma-Close

# TYPE-R



## Technical Data

### Tolerance

All finished insulation size to have a tolerance of -  
4mm to +0mm to suit varying cavity sizes

### Performance Test Data of Extrusion

U-P.V.C./Plasticised - co-extruded under the  
control of a Quality Assurance System.

### Performance Test Data of Insulation

X.P.S. (Extruded Polystyrene)

**Thermal Conductivity 0.029 - 0.0335 W/mK**

Mineral Fibre

**Thermal Conductivity 0.034 W/mK**

**YBS** Insulation  
HIGH QUALITY PRODUCTS FOR THE BUILDING INDUSTRY

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