

Fire shield PARTY WALL (PWCB) Masonry

Description

These products comprise a 1200mm length of semi-rigid A1 non-combustible mineral fiber slab fully encapsulated within a polythene sleeve.

Applications

Primarily designed to prevent fire penetration, the Lancaster PWCB product range maintains thermal insulation integrity and reduces sound transmission within the cavities of buildings. Lancaster PWCB products are available to fit a wide range of cavity widths within masonry, timber frame and steel panel constructions and are equally suitable for installation around apertures and at floor level in partition walls. When installed in the above types of construction Lancaster TCB's meet the insulation requirements of Approved Building Regulations

Installation

For use within timber frame construction with a brick or block outer skin, Lancaster PWCB products are supplied with flanges incorporated into the outer polythene sleeve for Timber constructions and without for masonry. These enable the barriers to be held in place until the brickwork is complete. The PWCB product is fixed to the timber frame using non-corrosive large head nails or stables, with the subsequent construction of the brickwork maintaining a minimum compressive contact with the barrier as shown.

In the case of masonry outer skin to masonry inner skin or steel frame construction, Lancaster PWCB products are supplied with unflanged polythene Outer sleeves. Barrier size is selected so that the PWCB forms a friction fit within the cavity with minimum compression. Care should be taken in respect of joints, which should be closely butted together.

In the case of apertures such as windows or doors where barriers are friction fitted, it is important that the horizontal barrier overlaps the vertical barrier at the corner joints.

Party wall Junctions. The party wall barrier has been designed to have a additional 50 mm overlap with the party wall brick leaf either side of the cavity. Options at 200mm 250mm or 300mm wide will suit a range of cavity applications.



Technical

Lancaster TCB products have been extensively tested by Exova Warringtonfire. The required barrier depth will be selected from our range of PWCB to suit the desired cavity width and depth needed for the application. All our range is manufactured from Euroclass A1 non combustible rock mineral fiber detailed in BS EN 13501-1 Assed in warres WF316443A