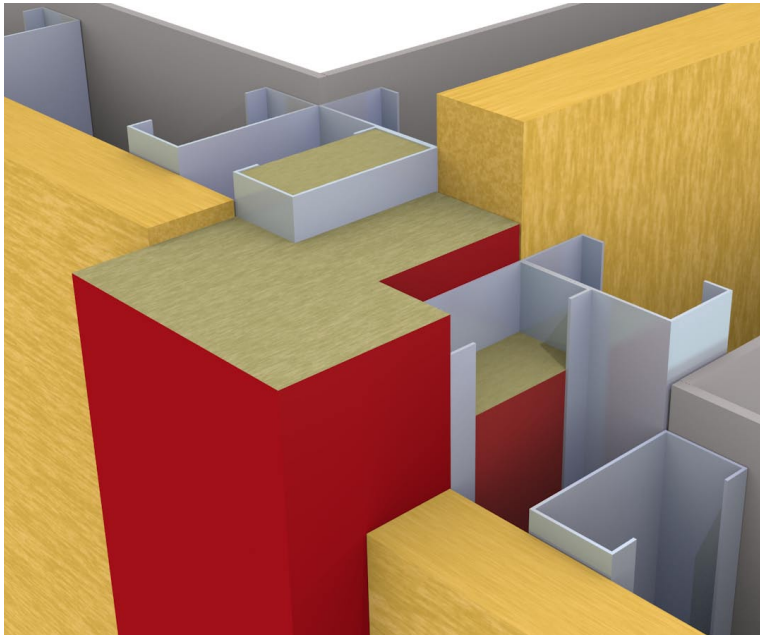




Metal Frame T-Barrier[®]



Key Features

- Up to four hours fire integrity
- Tested up to 150mm external cavity width
- Excellent acoustic properties
- Unique T-shape seals cavity
- Polythene encapsulated for on-site protection
- Patent pending



Description

The ARC Metal Frame T-Barrier System has been designed to provide a fire rating at a party wall junction within a metal frame construction. The 3-piece system fits in conjunction with the 'C' sections at the party wall detail and provide a 4 hour fire rating on both integrity and insulation on cavity sizes up to 150mm.

Installation

(See drawing on page 2)

Once the metal 'C' sections have been fitted, the two small barriers A and B are fitted snug into the C sections. Then, as the brickwork advances, the T section (C) can be fitted into the formed cavity.

Dimensions

ARC Metal Frame T-Barriers are supplied in 1.2m lengths and can be supplied to fit various cavity widths from 50 to 150mm.

Fire Properties

ARC Metal Frame T-Barriers are manufactured using rockfibre mineral wool which achieves a fire classification of Euroclass A1 as defined in BS EN 13501-1.

ARC Metal Frame T-Barriers have been tested at Chiltern International Fire, achieving up to four hours fire integrity. These tests comply with BS 476: Part 20: 1987 and BSEN 1366-4: 2006, using the test method stated EGOLF TC2 N421 (fire resistance for cavity barriers).

Chiltern International Fire certificate number: Chilt/IF12020

[®]T-Barrier is a registered trademark of ARC Building Solutions Ltd.

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Thermal Properties

ARC's rockfibre mineral wool insulation has a thermal conductivity of 0.037W/mK.

Standards

The rockfibre mineral wool used in the manufacture of ARC Metal Frame T-Barrier System conforms to BS EN 13162 and EN16001 Energy Management Systems.

Storage and Packaging

ARC Metal Frame T-Barriers are supplied in polythene packs which are designed for transporting and protecting the products, or shrink wrapped on a pallet. When storing products for longer periods of time, it is recommended that the product should be stored indoors or under cover.

Environment

ARC's rockfibre mineral wool has no CFCs or HCFCs involved in the manufacturing process and represents no known threat to the environment, and is classed as zero ODP and zero GWP.

ARC Metal Frame T-Barriers have a Green Guide rating of A+.

Health and Safety

ARC Building Solutions has an approved Health and Safety Policy and is committed to working and supplying products safely. ARC's rockfibre mineral wool is not classed as a possible human carcinogen. We have assessed products as required by Substances Hazardous to Health Regulations (COSHH). An ARC COSHH data sheet is available and can be downloaded from ARC's website.

