StubGuard® Data Sheet and Installation Instruction

No. 4.1
09/10/2024

Product Description

This product comprises of CNC cut, dense grade, specially formulated, mineral fibre blocks. Two equal sized and mirrored parts form the completed block. The three exposed sides of each block are wrapped in strong reinforced foil and are held together using printed foil tape provided with each set of stubguards. They are individually designed to fit around a steel balcony support stub for each specific project, and cavity barrier make and type location.
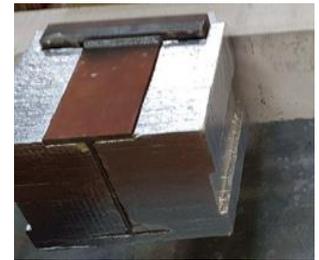
The StubGuard® is an effective solution to achieve fire-stopping integrity and insulation requirements around a steel balcony support stub and has been tested to BS EN 1366-4. The product is also covered by Certifire®

Features of the StubGuard

- Suitable for cavities up to 300mm wide
- Achieves fire-stopping integrity for up to 120 minutes
- Achieves fire-stopping insulation for up to 120 minutes
- Simple and quick to fit
- Added benefit of reduced heat loss in the area
- Abutments made simpler due to shape

Option 1 - StubGuard®
Extends over Top of Beam
(without tape applied)

Option 2 - StubGuard® is
Flush with Top of Beam
(without tape applied)

StubGuard data

Size:	To suit stub and cavity sizes
Product Composition:	Mineral fibre
Density:	140KG/m^3
Integrity/Insulation:	120/120 minutes
Wrapping:	Reinforced aluminum foil
Max cavity width:	300mm
Fixing method:	Wrap compression
Certification:	Certifire CF 10015

Fire breaks compatible with StubGuard®

Manufacturer / Brand	Product type / Code
Siderise	FS120
Rockwool	SP-120 & SP-EN-120
Hilti	CP674 Unventilated
AIM	Fire Barrier Slab
ARC Cavity Stop Sock	CSS300
Mayplas	MP556
PFC Corofil	CCFS (82mm & 100mm thicknesses)

Note: This Data Sheet and Certificate doesn't cover the performance of the cavity barrier used alongside the StubGuard, only the StubGuard® itself. Please refer to the Manufacture Literature of the above products for the relevant performance data.

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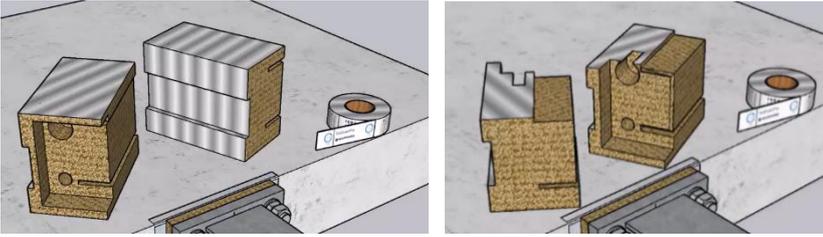certifire
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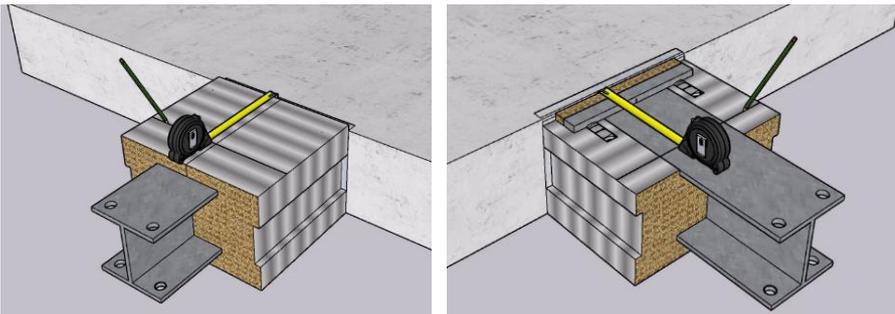APPROVED
CF 10015

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Installation Guide: Where StubGuard® extends over or is flush with the top of beam
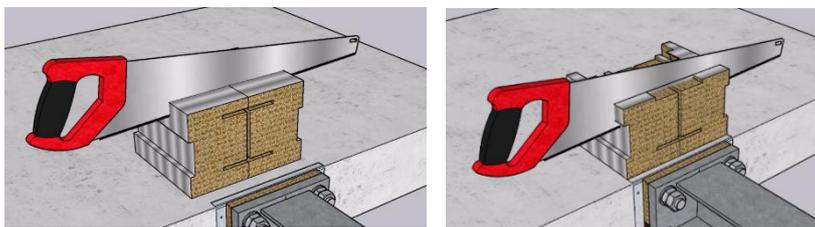
Step 1: Unpack and Check

Unpack and check that the product is not damaged. You should have two halves and a roll of tape. The packaging is recyclable and should be disposed of responsibly.
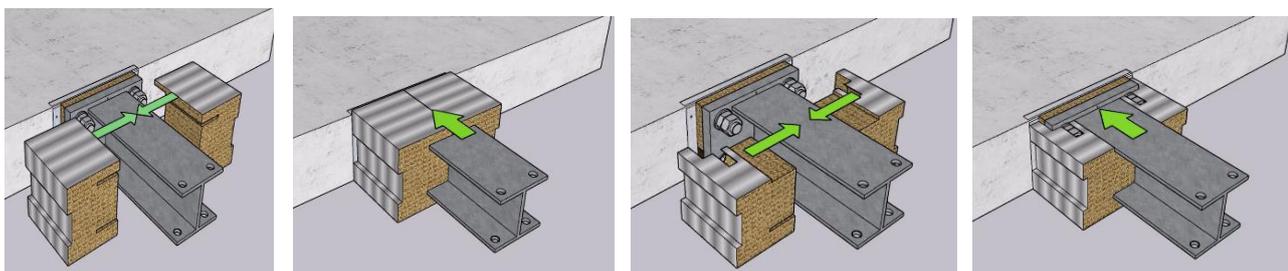
Step 2: Measure and Mark Cut

Fit the two halves of the StubGuard® to the balcony arm or stub from either side to meet at the centerline and then push them firmly back against the concrete slab edge (not waterproofing etc). If it does not fit back tight against the slab face report this back to the main contractor as a tight fit is necessary.

Step 3: Cutting the StubGuard®

Use a hardpoint saw or long insulation knife to cut both halves to the correct length. Again, make sure the cut is accurate and square to ensure a tight compression fit within the cavity will be achieved.
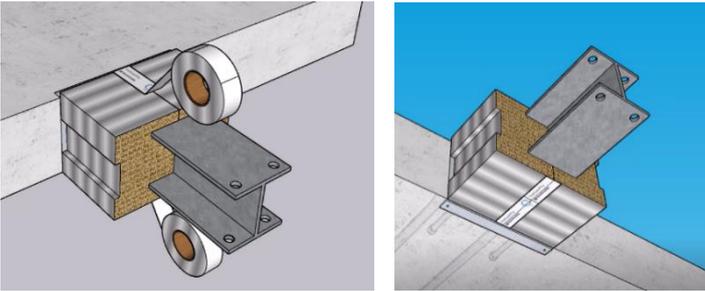
Step 4: Fitting the StubGuard®

Check the length requirement for the StubGuard® by measuring from the face of slab edge to the back of the façade. Add 5mm to this dimension and mark your cut. The StubGuard® will compress slightly and it's important that the fit is a tight fit and the StubGuard® fully fills the cavity.
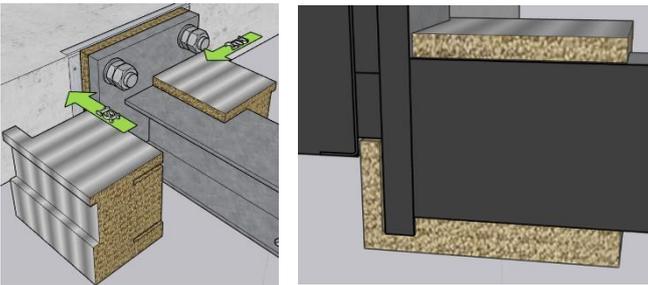
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Step 5: Applying Tape to the underside of StubGuard®

Using the printed foil tape provided apply a strip to the underside along the joint of both parts ensuring the StubGuard® joint is held tight together.
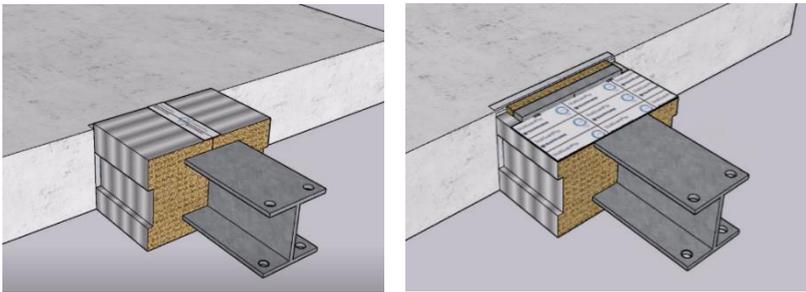
Step 6: Detail relating to the 'wrap detail' (if applicable)

For specific StubGuard designs that extend below the underside of slab, the StubGuard material must wrap around the steel back plate and sit against the slab edge with a minimum of 15mm touching the concrete slab
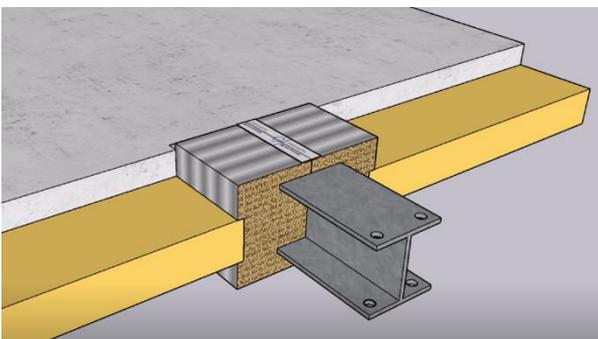
NOTE: Careful consideration is needed regarding the setting out of masonry supports as clear width between them of 660mm minimum is needed

Step 7: Applying Tape to the top of StubGuard®

Using the 100mm wide printed foil tape provided apply a strip along the joint (or multiple overlapping strips if the flush version) ensuring the StubGuard® joint is held tight together.

Step 8: Fitting the Cavity Barrier

Install the Cavity barrier following the relevant manufacturers instruction including the required fixings to install this. Ensure that as it abuts the StubGuard® it is a tight fit into the slots provided in the side of the StubGuard®.

Associated reference documents:
Warrington Fire Certificate Of Approval CF 10015

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