



APPLICATION:

Fire Door Joint

(Hardwood timber frame)

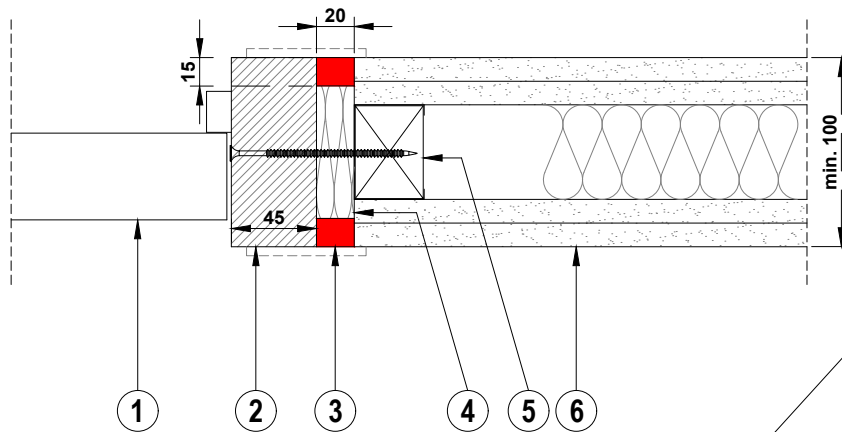
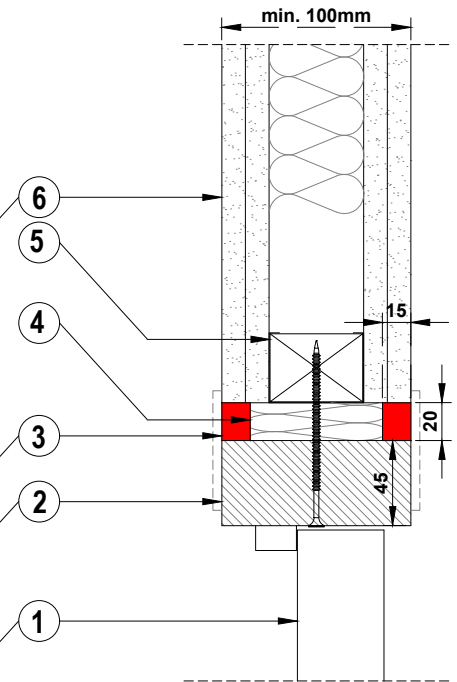
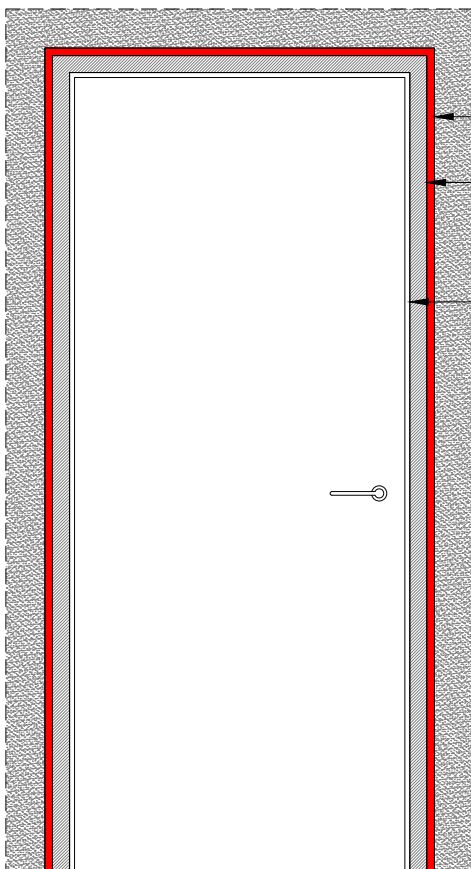
ID:

GBEN0001**INFORMATION:**

- Not to scale
- All units are in millimetres
- Tested to BS EN 1366: Part 4 (2021) and National Annex

CFS-S ACR Acrylic Sealant**CFS-S ACR**

REV:

00**Fire Rating EI 120****Page 1/4****1. SECTION VIEW - VERTICAL JOINT:****2. SECTION VIEW - HORIZONTAL JOINT:****3. ELEVATION VIEW**

- 1 - Doorsets to be tested in accordance with BS 476 Part 22 (1987) or BS EN 1634 Part 1 2014 + A1:2018.
- 2 - Hardwood timber frame of minimum 640kg/m³ density, minimum 100mm depth and 45mm thickness.
- 3 - Joint width up to 20mm with CFS-S ACR Acrylic Sealant. The sealant must be applied to a 15mm depth on both sides of the wall. (Architraves are optional. If in place, the architraves must be timber or solid cellulose-based).
- 4 - Stone wool backfill of 45kg/m³ density compressed by 50%.
- 5 - Softwood door lining.
- 6 - Minimum 100mm thickness partition wall consisting of 2x 12.5mm thickness plasterboard sheets on both sides. The aperture may be lined or unlined (*detail shown is unlined*). Solid wall application is also permitted provided that the minimum 100mm thickness is followed.

1. The application limits on this detail are for guidance purposes only. For more detailed information based on the full range of available test results please contact the Hilti Technical Advisory Service.

2. The product and application has been assessed as a minimum to the BS 476 standard. It may have additional European and worldwide testing. Please contact Hilti for further information.

3. All installations should be carried out in accordance with Hilti's installation instructions and by competent & experienced installers using Hilti branded products.

4. All services are to be correctly and adequately supported to prevent collapse and distortion where applicable.

Hilti (Gt. Britain) Limited | No 1. Circle Square | 3 Symphony Park | Manchester | M1 7FS

Freephone: 0800 886 100 | Website: www.hilti.co.uk

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APPLICATION:

Fire Door Joint

(Hardwood timber frame)

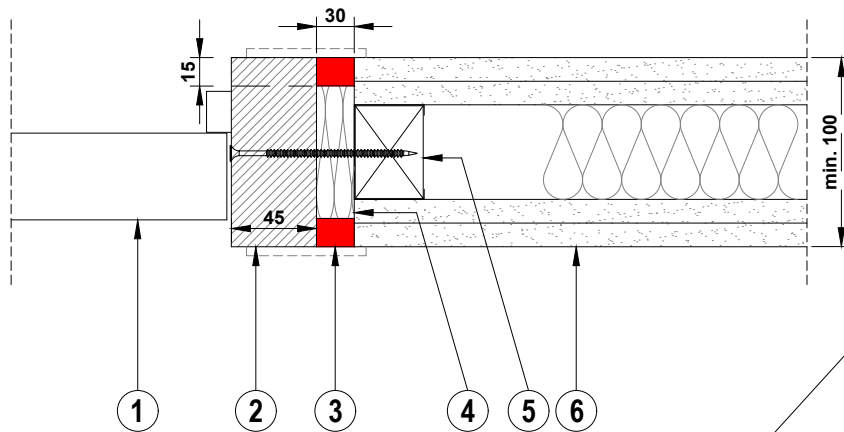
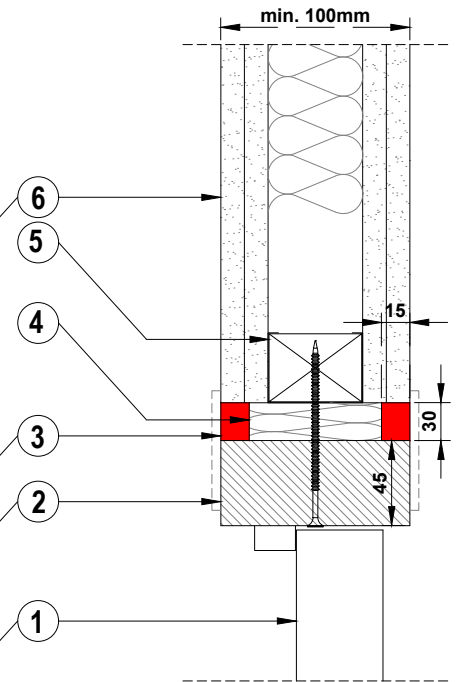
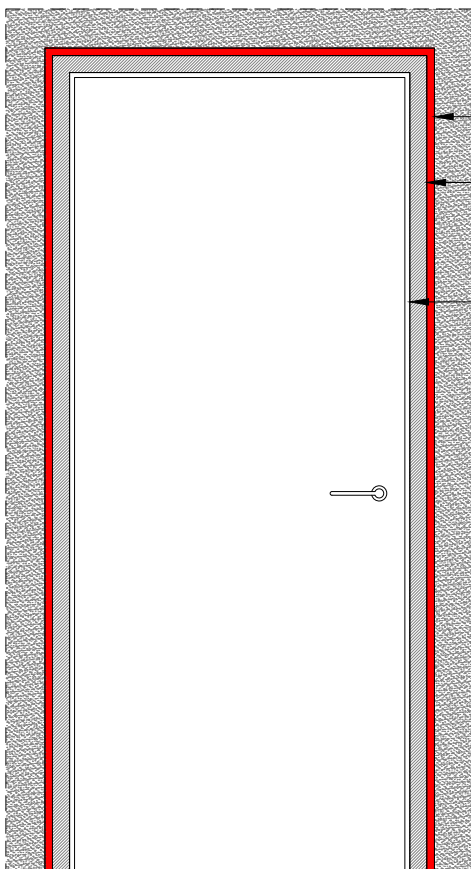
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GBEN0002**INFORMATION:**

- Not to scale
- All units are in millimetres
- Tested to BS EN 1366: Part 4 (2021) and National Annex

CFS-S ACR Acrylic Sealant**CFS-S ACR**

REV:

00**Fire Rating EI 90****Page 2/4****1. SECTION VIEW - VERTICAL JOINT:****2. SECTION VIEW - HORIZONTAL JOINT:****3. ELEVATION VIEW**

- 1 - Doorsets to be tested in accordance with BS 476 Part 22 (1987) or BS EN 1634 Part 1 2014 + A1:2018.
- 2 - Hardwood timber frame of minimum 640kg/m³ density, minimum 100mm depth and 45mm thickness.
- 3 - Joint width up to 30mm with CFS-S ACR Acrylic Sealant. The sealant must be applied to a 15mm depth on both sides of the wall. *(Architraves are optional. If in place, the architraves must be timber or solid cellulose-based).*
- 4 - Stone wool backfill of 45kg/m³ density compressed by 50%.
- 5 - Softwood door lining.
- 6 - Minimum 100mm thickness partition wall consisting of 2x 12.5mm thickness plasterboard sheets on both sides. The aperture may be lined or unlined *(detail shown is unlined)*. Solid wall application is also permitted provided that the minimum 100mm thickness is followed.

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APPLICATION:

Fire Door Joint

(Softwood timber frame)

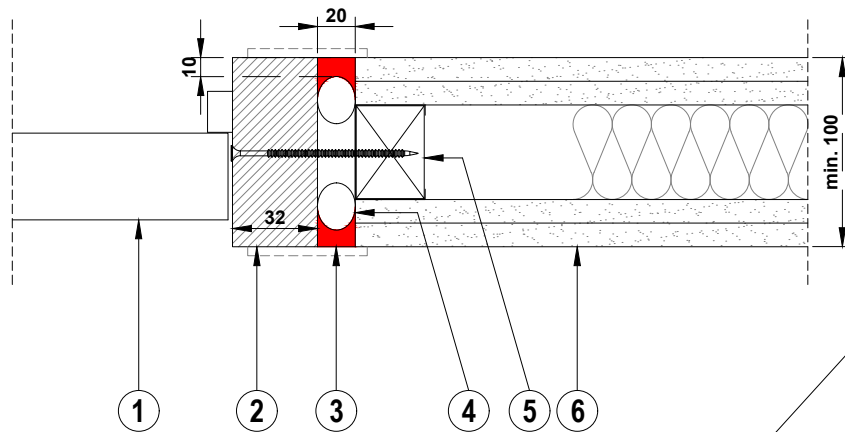
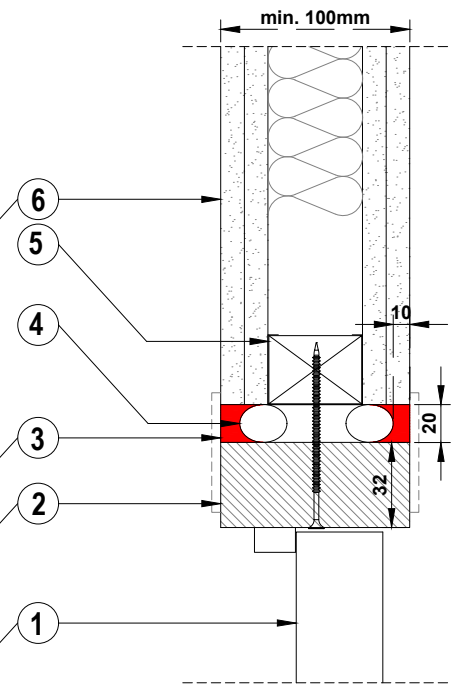
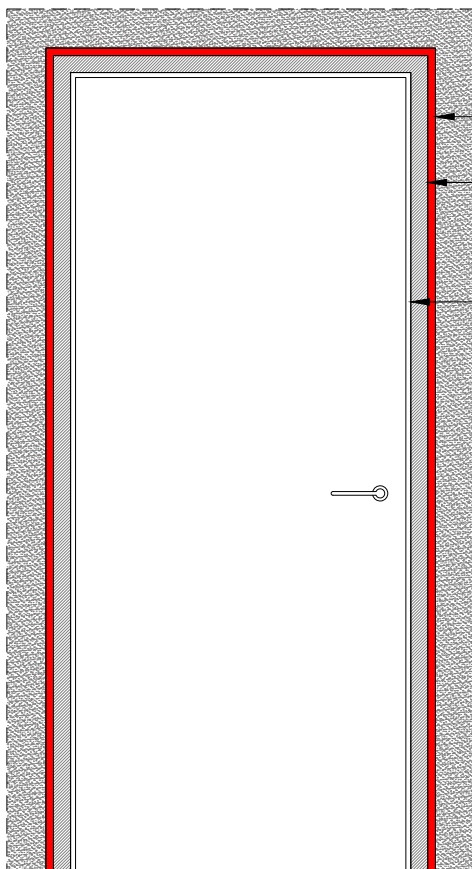
ID:

GBEN0003**INFORMATION:**

- Not to scale
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**CFS-S ACR Acrylic Sealant with
PE Backer Rod****CFS-S ACR**

REV:

00**Fire Rating EI 90****Page 3/4****1. SECTION VIEW - VERTICAL JOINT:****2. SECTION VIEW - HORIZONTAL JOINT:****3. ELEVATION VIEW**

- 1 - Doorsets to be tested in accordance with BS 476 Part 22 (1987) or BS EN 1634 Part 1 2014 + A1:2018
- 2 - Softwood timber frame with minimum 370kg/m³ density, minimum 100mm depth and 32mm thickness.
- 3 - Joint width up to 20mm joint width with Ø25mm PE (polyethylene) backer rod and 10mm CFS-S ACR Acrylic Sealant. The sealant must be applied to a 10mm depth on both sides of the wall. *(Architraves are optional. If in place, the architraves must be timber or solid cellulose-based)*
- 4 - Ø25mm PE rod
- 5 - Softwood door lining
- 6 - Minimum 100mm thickness partition wall consisting of 2x 12.5mm thickness plasterboard sheets on both sides. The aperture may be lined or unlined (*detail shown is unlined*). Solid wall application is also permitted provided that the minimum 100mm thickness is followed.

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