

QSS-FW100-LJ-01

Linear Joint between a Flexible or Rigid Wall and a Wooden Door Frame



This standard detail is intended for general information only and all details should be checked against all relevant supporting test evidence, certification and installation guidelines.
In line with the company's policy of continual development, details are subject to change and/ or withdrawal therefore you must ensure this is the latest published detail and instructions.

Additional Instructions

Flexible walls can be insulated or uninsulated and must have a minimum 50mm wide stud and minimum 2no. layer of 12.5mm Gypsum boards in accordance with EN 520 or Calcium Silicate boards which are CE Marked based on an ETA, on both sides of the stud.

QuelStop Intumescent Sealant applied to both sides of the wall.

PE backing material was used in the fire test. This is deemed sacrificial and not detrimental to the seal so any material can be considered.

Please refer to the Quelfire Knowledge Hub article:
[Does backing material matter with linear gap seals?](#)

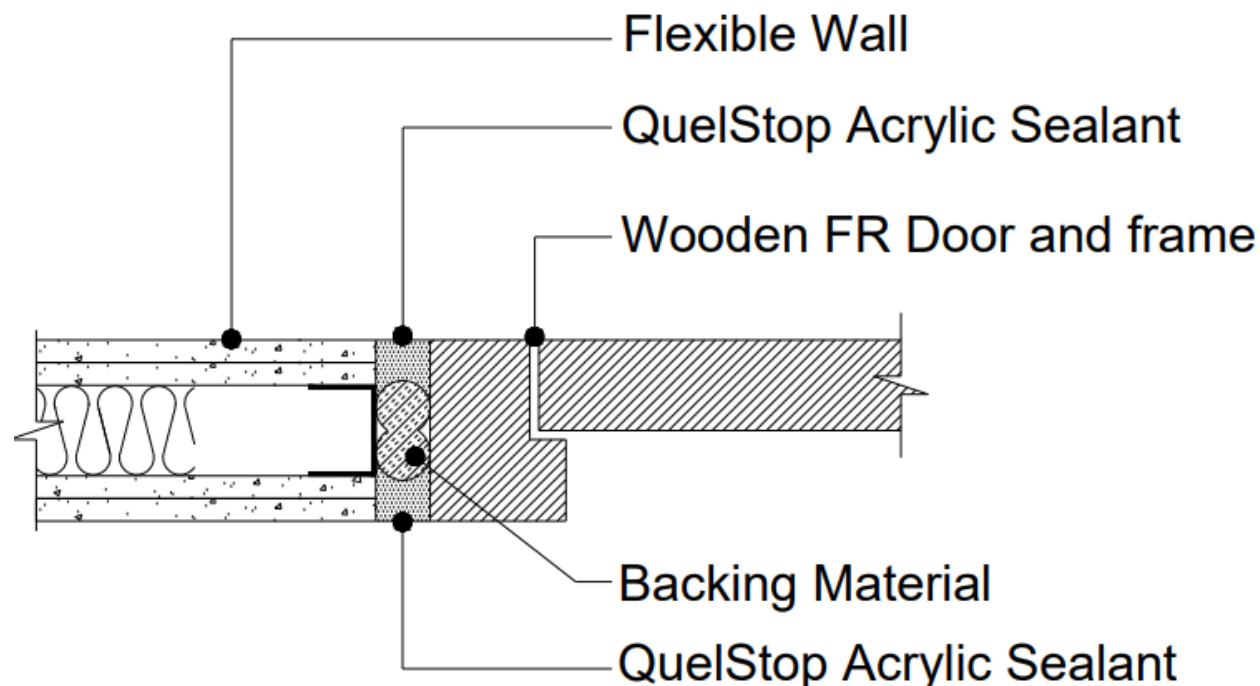
Maximum gap width = 30mm
Minimum seal depth = 25mm

Door frame to be mechanically fixed to the wall as per the test evidence/manufacturer's instructions.

Door frame to be a minimum density 572kg/m³ hardwood and the door frame section to be a minimum 30mm (plus stop in addition).

Door set proven to provide the required fire rating as required and in accordance with EN 1634-1.

Quelfire Products Required	
Product Code	Description
QSS310	QuelStop Intumescent Acrylic Sealant



Substrate	Maximum Gap Size	Minimum Seal Depth	Seal Position	Backing Material	Fire Rating
Gypsum Board/Hardwood	30mm	25mm	Both Sides	Any Material	120 minutes Integrity 120 minutes Insulation
*** Due to recent testing from WF 542146A. This will be included in the next QuelStop Acrylic Sealant Classification Report update. The fire test report detailed is not for general distribution but can be requested by the project's qualified fire consultant/engineer if they contact the Quelfire Technical Team directly.					

To be read in conjunction with:	WF Test Report 542146A Specimen A & B***
Test standard:	BS EN1366-4
Substrate minimum thickness:	100mm
Drawing Scale:	Not to Scale
Issue Number:	3
Date of Issue:	October 2025
Detail Reference:	QSS-FW100-LJ-01

Important Information:

- The supporting construction must be installed in accordance with the manufacturer's guidelines and must be capable of achieving the required fire rating of the firestop.
- All Services should be adequately supported either side of the firestop to ensure that no load is transferred onto the firestop seal.

Scope and Liability:

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