



APPLICATION:

Cables Through Rigid Wall

ID:

FIL:SP-RW-E-01

INFORMATION:

- Not to scale
- All units are in millimetres
- Tested according EN1366-3
- Approval ETA-21/0256

Hilti CFS-FIL

REV:

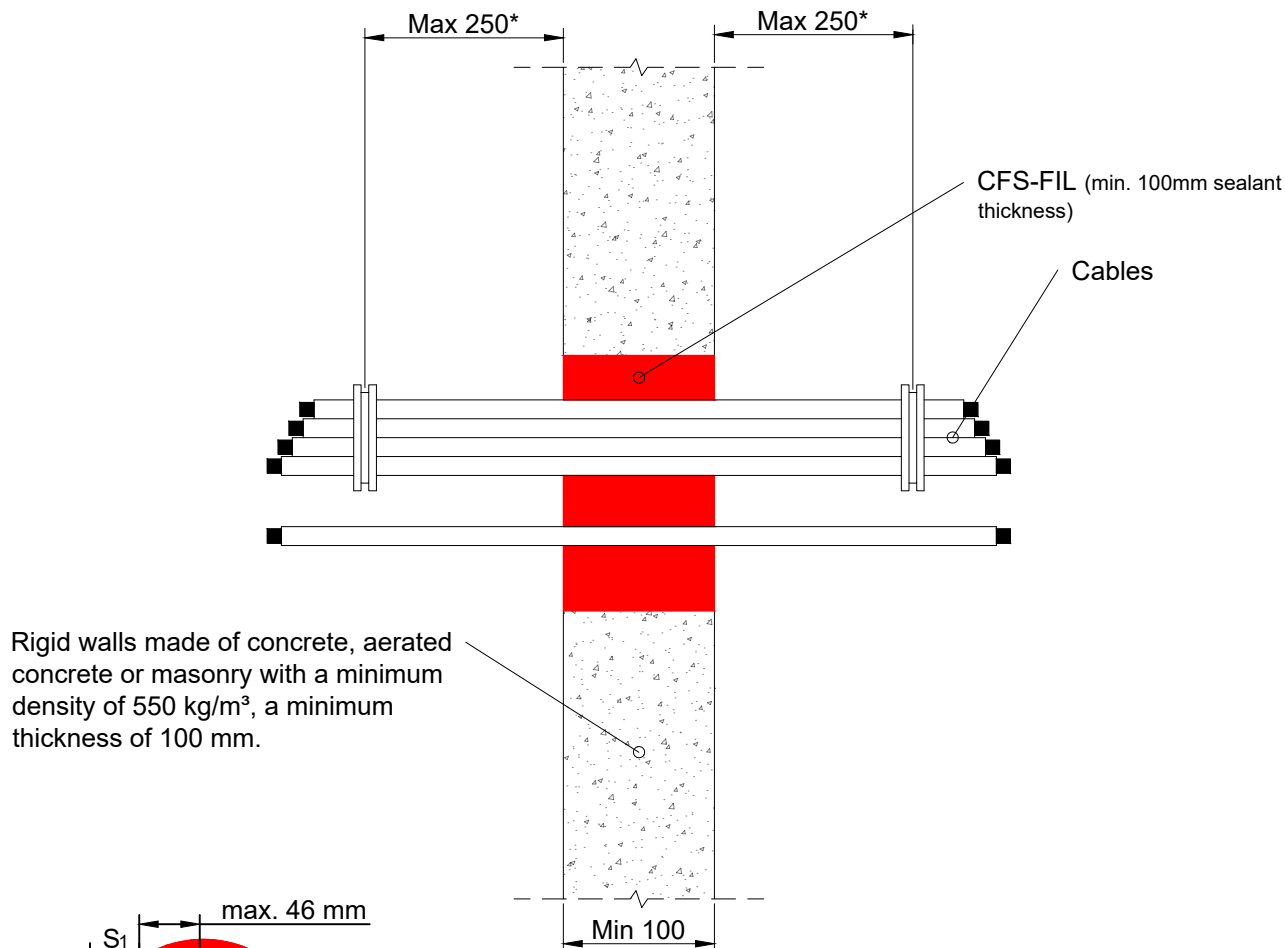
DATE:

01

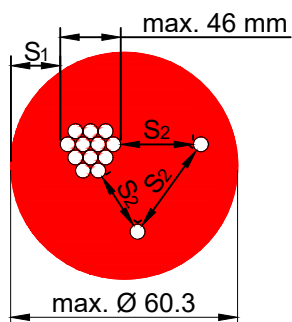
03/2025

Fire Rating EI 90

Page 1/1



Rigid walls made of concrete, aerated concrete or masonry with a minimum density of 550 kg/m³, a minimum thickness of 100 mm.

**Minimum distances between the services**

Single/multiple cable(s) to single/multiple cable(s)	$S_2 = 0$
Single/multiple cable(s) to edge of aperture	$S_1 = 0$

Minimum distances between the penetrations

Cable or multiple cable penetration and other services	200
--	-----

Cable type ¹	Fire Class
single cable diameter up to Ø 21	EI 90 E 120
multiple cables (single cable diameter max. Ø 21 mm. small cables), up to a bundle of Ø 46 mm with zero distance between the cables	EI 90 E 120

* First support and ancillary products should be capable of achieving the same fire performance as the seal and supporting structure.

¹ The total amount of cross sections of the cables (core and insulation) does not exceed 60% of the penetration area

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.

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

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

LEGAL NOTICE: This template contains Hilti Intellectual Property which is legally protected, including Community registration of Hilti trademarks. For use only by Hilti customers and in conjunction with Hilti products. No third party use/products is authorised and breaches Hilti's intellectual property rights. Hilti accepts no responsibility for unauthorized use and reserves all rights to take legal action to enforce its rights in law.