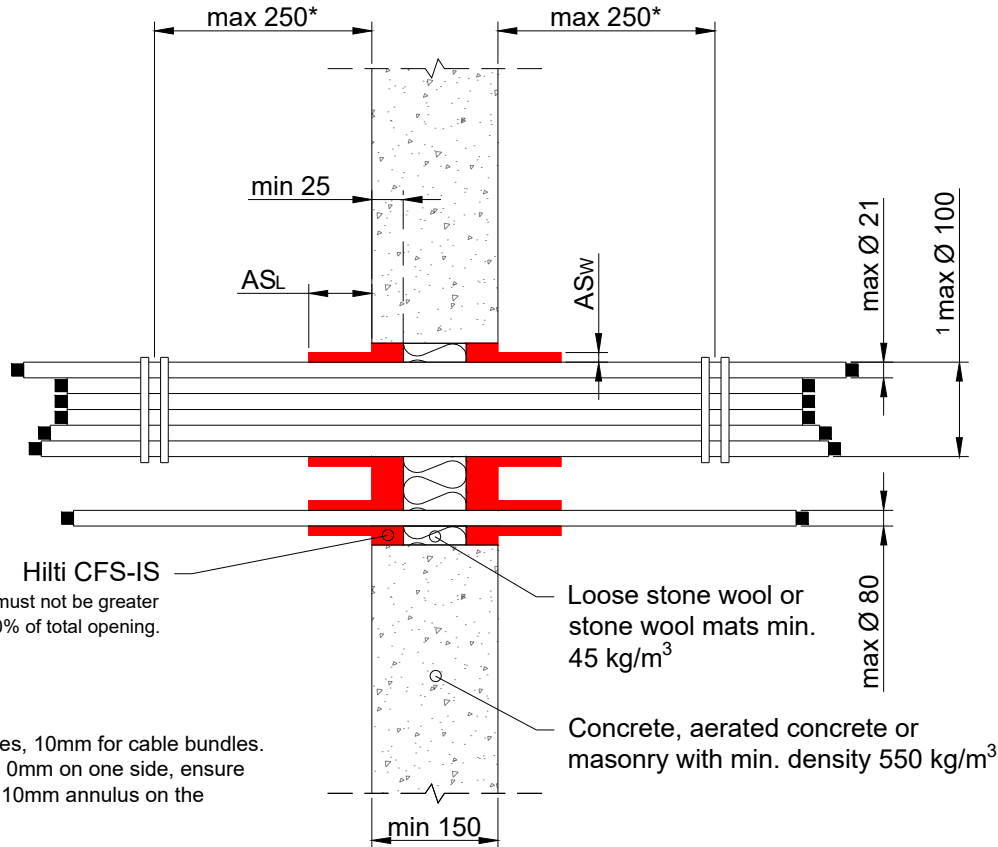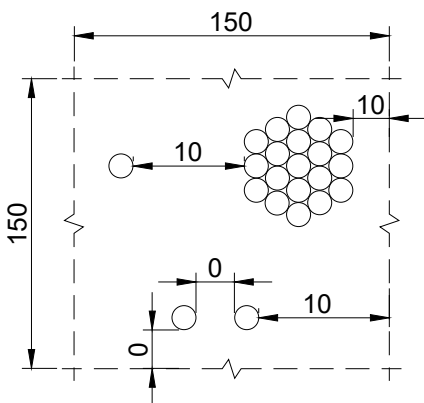|	APPLICATION:	ID:
HILTI	**Cables within Rigid Walls**	**IS:SP-RW-E-01**
INFORMATION: - Not to scale - All units are in millimetres - Tested according EN 1366-3 - Approval ETA-10/0406	**CFS-IS Intumescent Sealant**	REV: **01** / DATE: **10/2024**
	Fire Rating up to EI 120	**Page 1/2**

max 250*   max 250*

min 25

AS_L AS_W

max Ø 21 ^{1}max Ø 100

Hilti CFS-IS

Max Cable fill content must not be greater than 60% of total opening.

max Ø 80

Loose stone wool or stone wool mats min. 45 kg/m^3

Concrete, aerated concrete or masonry with min. density 550 kg/m^3

min 150

Annular gap note:

- 0mm for single cables, 10mm for cable bundles.
- If the annular gap is 0mm on one side, ensure there is a minimum 10mm annulus on the opposite side.

150

150

10

10

0

10

0

Max opening size 150mm x 150mm or ciurcular openings of equivalent area (Ø 165 mm).
Min. 100mm distance to other firestopping penetrations and timber studs.
Min. 200mm to other penetrations (e.g., doors, windows etc.)

Cable Type / Ø	AS_W	AS_L	Classification
Max. Ø21	10	50	EI 120
	10	100	EI 120
21 ≤ Ø 80	10	50	EI 120
	10	100	EI 120
^{1} Tied cable bundle of max. Ø100, with max. single cable Ø21	10	50	EI 120
	10	100	EI 120

All sheathed cable types currently and commonly used in building practice in Europe (e.g., power, control, signal, telecommunication, data, optical fibre).

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