FireSeal Fire Rated Access Panels

Measuring and Fitting Instructions

Measuring up for the FireSeal unit

1. Figure A shows a Ritherdon FireSeal door and frame unit. Please bear in mind that FireSeals are made to measure and have up to 2 locks for larger sizes.
2. Measure the height, width and depth in millimeters of what you need to cover with the FireSeal (e.g. meter box or an opening) as in Figure B.

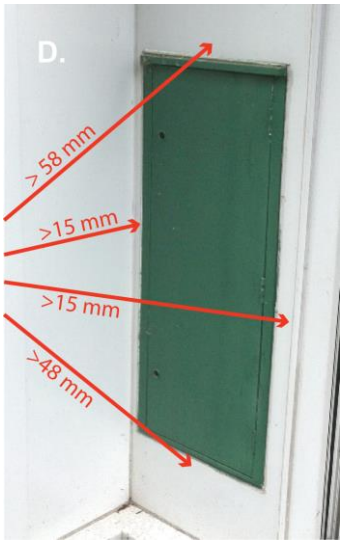
A.

B.

3. Ensure that the fixing positions in each corner will hit solid wall behind the FireSeal (See Figure C).
4. As shown in Figure C, the exterior dimensions of your FireSeal will be a minimum of 106 mm greater in height (58 + 48 mm) and 30 mm greater in width (2 x 15 mm). 25 mm must also be added to the depth of the frame protruding from the wall. Add these to your measured values for height, width and depth to calculate the **external dimensions** of your FireSeal. **Please note that the minimum possible FireSeal depth is 40mm.**
5. Check that there is sufficient wall space around the meter box to fit the FireSeal (see Figures C & D).

C.

D.



FireSeal Fire Rated Access Panels

Measuring and Fitting Instructions

6. Verify that the depth of the FireSeal will not create an obstruction (e.g. in front of a door). (See Figure E).
7. The FireSeal lock will require an additional 25mm of depth as detailed in step 4 for clearance.
8. If possible, we recommend that any existing door be removed before fitting the FireSeal.
9. After verifying the clearances in steps 5-7, provide us with the **external dimensions** you calculated in step 4.
10. Ensure hinges are oiled and check locking mechanism regularly.

Upon request we will send you a free physical template using the dimensions you provide, allowing you to verify the clearances and the fixing point positions of your bespoke FireSeal design beforehand.

If you have any questions, please call our team at 01254 819100.

Fitting the FireSeal Access Panel

The FireSeal is simply screwed to the wall using the screws and plugs provided through the four holes concealed inside the frame, including two keyholes at the top for ease of hanging (see Figure C). The fixing screws must penetrate the main structure by at least 50 mm to match the testing conditions.

The FireSeal can be fixed to the following wall types:

- Timber stud with plaster board cladding
- Metal stud with plasterboard cladding
- Masonry

More details can be found in the fire resistance testing report: Chilt/A13016 (available from Ritherdon Technical Information).

Other Passive Fire Protection:
Riser FireSeal- 60 minute fire protection for vertical shafts and risers.
R22 FireSeal Gas Door & Frame- 60 minute fire protection for gas meter boxes that can be retrofit over existing gas meter boxes without disconnecting the utilities.
R5 Fire Rated Semi-Recessed Electric Meter Box- 60 minutes fire protection for electric meter boxes.