



INSTALLATION GUIDANCE 1STOP IN RAISED ACCESS FLOORS

1STOP: MULTIPURPOSE ACOUSTIC & FIRE CAVITY BARRIER & FIRE STOP SLAB

Version 1 : October 2015

Materials required

- 1STOP multipurpose acoustic & fire cavity barrier & fire stop slab
- Sharp knife to cut through foil facings (e.g. workman's knife)
- Serrated blade to cut through mineral fibre (e.g. hacksaw)

Optional:

For standard applications 1STOP can be installed without fixing brackets, or foil tape, as these materials are not required for compliance with the fire performance assessment. However, to provide the assembly with enhanced stability, 1STOP fixing brackets and foil tape should be used when the assembly is likely to be exposed to frequent access or disruption by trades people.

- 1STOP fixing brackets - supplied pre-notched for folding on site (Fig.1)
- 1STOP foil tape to seal vertical joints
- Drill to fix brackets to structure
- To fix brackets to structure: Suitable non-combustible fixing suitable for the substrate being fixed to. NOTE: Installation contractor to establish this as fixings are not part of the system supplied.

1. Measure the cavity and cut the 1STOP to size

See Handling & Cutting Guidance for 1STOP slabs.

2. (Optional) Incorporate fixing brackets into the cut 1STOP strips

- Fold the fixing brackets. (Brackets are supplied pre-notched for folding on site.)
- Incorporate fixing brackets by impaling into the base of the barrier prior to installing. Two brackets are required per 1200mm unit length. (Fig 2.)

3. Install the 1STOP strips to form a continuous barrier

- Compress and push the 1STOP into place.
- Tightly abutt the cut strips end to end on the structural floor to form a continuous barrier between the shaped underside of the raised access floor panel and the concrete floor slab.

4. Mechanically fix the brackets to surrounding structure

- Fixing brackets are optional - see above. If brackets have been incorporated, mechanically fix, or bond, the brackets to the structural floor. Drill the brackets on site and mechanically fix the brackets to the surrounding structure.

NB: Suitable non combustibile fixing suitable for the substrate being fixed must be established by installation contractor as fixings are not part of the system supplied.

5. (Optional) Apply 1STOP foil tape

- Apply 1STOP foil tape to vertical joints from top to bottom, to assist acoustic integrity, and to maintain integrity of the smoke barrier. (Fig 3.)

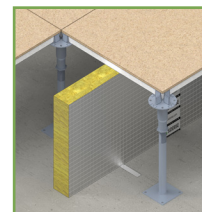
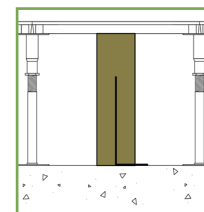


Fig 1. (Optional)
Fixing brackets are
supplied pre-notched
for folding on site.

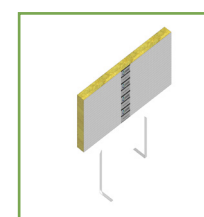


Fig 2. (Optional)
Fixing brackets are
impaled into base of
barrier.

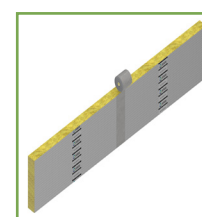


Fig 3. (Optional) Foil
tape is applied to seal
the vertical joints.