HANDLING & CUTTING GUIDANCE FOR 1STOP SLABS

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

Version 1 : October 2015

Materials required

- 1STOP Slab (1200mm x 600mm x 90mm)
- Tape measure and marker
- Sharp knife (e.g. workmans knife)
- Serrated blade (e.g. hacksaw)
- Optional: Bandsaw

1. Before you start: Working with 1STOP

Each 1STOP slab is made out of strips of compressed lamella stone wool that are held together with foil facings (See Fig.1).

The slabs are purposely supplied at a 600mm width to ensure that the line of the first cut you make can be positioned away from the position of the first lamella strip joint.

The position of the cut lines should be 15mm+ from a lamella strip joint to prevent the risk of the small section of mineral fibre delaminating when cut.

The material can be cut on site using a sharp knife and serrated blade (NB: A bandsaw may be preferred for quick and accurate cutting of the material.)

2. Measure the cavity size and add a compression allowance

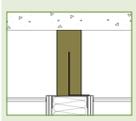
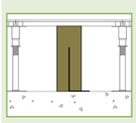
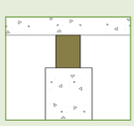
Measure the cavity size and add the corresponding compression allowance as indicated in the table.

3. Cut the 1STOP to required size

To Cut the 1STOP slab to the required size (i.e. cavity size + compression allowance) you must:

- Cut in the direction that is marked on the label on 1STOP slab, i.e. down the 1200mm length.
- Cut through the foil facings on both sides of the slab with a sharp knife.
- Carefully cut the mineral fibre with the serrated blade. Avoid a violent jagged sawing action as this will rip the foil facing, as opposed to cleanly cutting it. A bandsaw may be preferred for a quicker and cleaner cut.

The 1STOP is now ready to install.

Applicaton	Cutting requirements (Cavity size + compression)	Installation guidance
Suspended ceilings		
	Cavity size (up to 200mm): Cut strip to cavity size + 5mm. Cavity size (201mm - 400mm): Cut strip to cavity size + 10mm.	
Raised access floors		
	Cavity size (up to 400mm): Cut strip to cavity size + 10mm . For cavities greater than 400mm contact SIDERISE.	
Tops of walls		
	Cavity size (up to 150mm): Cut strip to cavity size + 5mm. For cavities less than 20mm contact SIDERISE.	
Profiled decks		
	Block size (depth of section) + 5mm - see 1STOP cutting & handling guidance for profiled decks.	

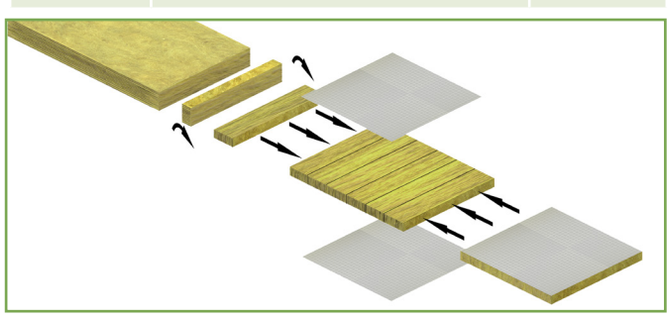


Fig 1. Structure of a 1STOP slab constructed from compressed lamella strips

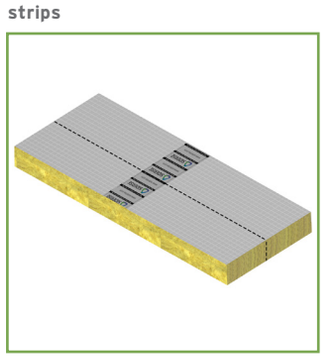


Fig 2. Cut in the direction that is marked on the label of the 1STOP slab. The dotted line in Fig 2. simply provides guidance.

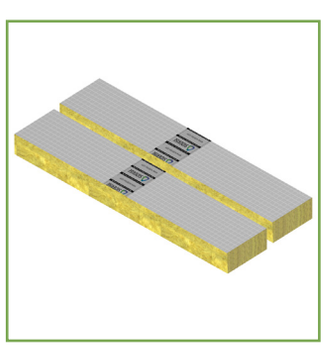


Fig 3. Cut strips of 1STOP.