



HANDLING & CUTTING GUIDANCE FOR PROFILED DECKS

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

See Handling & Cutting Guidance for 1STOP slabs

2. Measure the deck profile and add a compression allowance

Measure the internal dimensions of the metal deck profile and add the corresponding compression allowance as indicated in the table below. Make a note of the 'minor' and 'major' profile dimensions (See Fig.1) as these will be marked on cut strips of 1STOP later.

3. Cut a template

Cut a trapezoidal template block to match the internal dimensions of the metal deck profile that you measured, incorporating the + 5mm compression allowance.

4. Cut 1STOP slab into strips to suit depth of profile

Cut the 1STOP slab into strips to suit the depth of the profile section (See Fig. 3), incorporating the compression allowance (i.e. required size = depth of section + compression allowance). To cut the 1STOP slab you must:

- Cut in the direction that is marked on the 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.

See Handling & Cutting Guidance for 1STOP slab for further information.

5. Mark 'minor' & 'major' profile dimensions on the cut strip

Use the trapezoidal template block to mark the 'minor' and 'major' profile dimensions on the face of the strips (See Fig.4) to assist in achieving an accurate cut.

6. Cut the strips into trapezoidal blocks

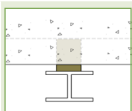


Cut the trapezoidal blocks using the marks you made on the 1STOP strips to guide you. (See Fig 4. and Fig 5.)

- 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.

7. If applicable cut pieces of 1STOP to suit the dovetail

Where there is a dovetail at the top of the profile this can be sealed with a simple rectangular section of 1 STOP. Cut a rectangle pieces of 1STOP to suit. (See Fig 6. and Fig 7.)

The 1STOP is now ready to install.

Application	Cutting requirements (Block size + compression)	1STOP slab handling & cutting guidance	Installation guidance
Profiled decks			
	Block size (depth of section) + 5mm		

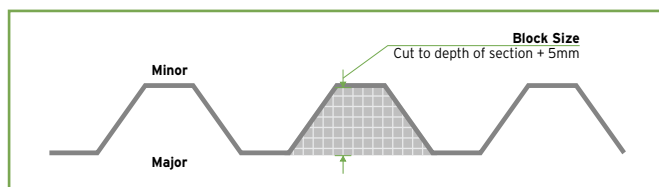


Fig 1. Block size in relation to metal deck profile & minor/major profile dimensions

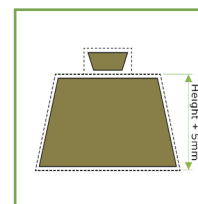
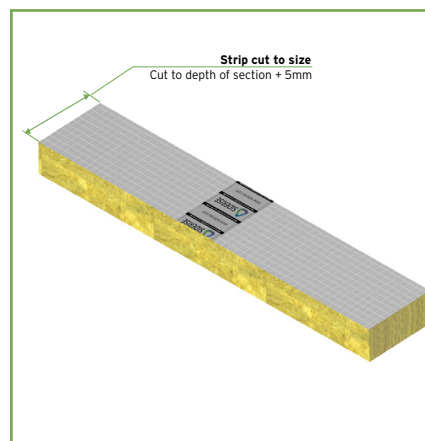


Fig 2. Cut a trapezoidal template block

Fig 3. Cut 1STOP slab strips to suit depth of section incorporating compression allowance

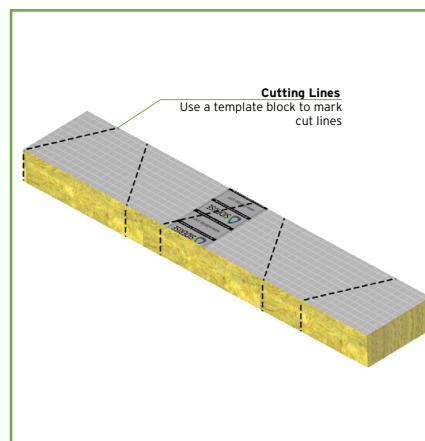


Fig 4. Use template to mark face of 1STOP strips before cutting

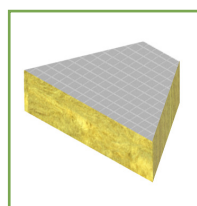


Fig 5. Cut trapezoidal block

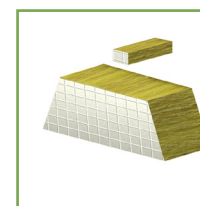


Fig 6 & Fig 7. Cut a small rectangular section to suit dovetail at the top of profile