

Why should I use 1STOP?

What is 1STOP?

1STOP is a unique multipurpose stone wool insulation slab that:

- can be easily cut on site (slab size: 1200mm x 600mm x 90mm).
- is used to make fire stops and cavity barriers.
- gives up to 1 hour fire protection.
- acts as an effective smoke barrier.
- reduces noise/sound transmission.
- is made out of compressed lamella stone wool held together with foil facings.

When should I use 1STOP?

1STOP should be used:

- when fire stopping is specified to comply with Building Regulations.
- to fill any gaps up to 200mm.
- when fire compartmentation is required for suspended ceilings, raised access floors, tops of walls, profiled decks.
- where an acoustic barrier is required.

What does 1STOP offer?

1STOP offers a number of benefits:

- it's available from builders merchants and insulation stockists.
- a single slab can be bought at a time.
- it's multipurpose so can be used in a variety of applications.
- it's simple to install.
- it's fully qualified in relation to fire and acoustic performance.
- any excess can be used in different applications, on other projects.

How should I use 1STOP?

1STOP slabs are easy to work with as:

- foil facings are cut with a sharp knife (e.g. workman's knife)
- the mineral fibre is cut with a serrated blade (e.g. hacksaw).
- the cutting direction is marked on the slab.
- brackets, required for some installations, are easy to use.

Handling, cutting and installation guidance is available on the SIDERISE website.

Further information

The following 1STOP products are available for purchase from builders merchants and specialist insulation stockists:

- SIDERISE 1STOP multipurpose acoustic & fire & cavity barrier & fire stop slab
- SIDERISE 1STOP fixing brackets (supplied flat & pre-notched for folding on site.)
- SIDERISE 1STOP foil tape

Contact SIDERISE for details of your nearest 1STOP stockist.

Technical downloads

The following technical documents are available from the SIDERISE website:



Safety Data Sheet

Technical & sales support

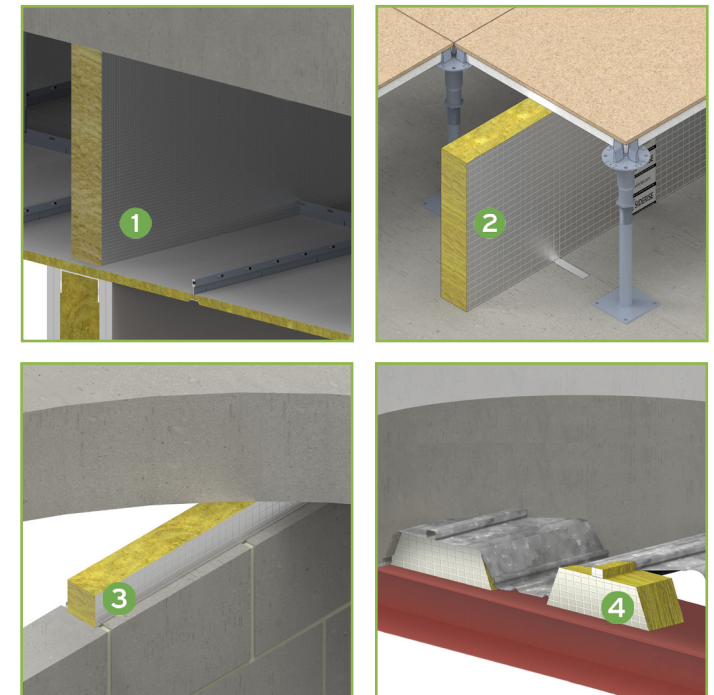
Internal Sales Team

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multipurpose
acoustic & fire cavity barrier
& fire stop slab



Prevent the spread of fire & smoke, & reduce noise with a multipurpose insulation slab.



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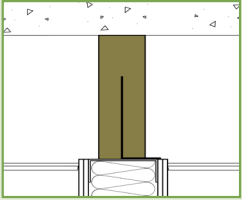


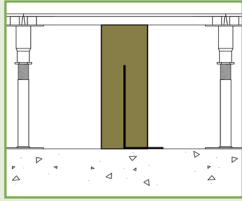


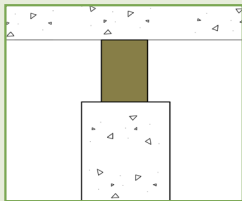


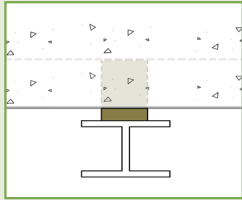

W: www.siderise.com



Acoustic, fire and thermal
insulation specialists



Where can I use 1STOP?

Applicaton	Performance		Gap sizes	Installation guidance		Brackets required	Handling & cutting guidance
	Fire	Acoustic		Method	Compression required		
1 In suspended ceilings							
 <p>Used to subdivide large ceiling cavities and can be installed directly above fire rated partitions to maintain continuity of fire resistance and provide an acoustic barrier</p>	60mins	23dB (Rw) up to 50dB Dnc,w	Ceiling cavities up to 400mm	<ul style="list-style-type: none"> • Measure cavity height • Cut 1STOP to measured size + compression factor • Incorporate fixing brackets - 3no. 1STOP brackets per 1200mm • Compress fit into cavity • Tightly abutt adjacent 1STOP strips • Mechanically fix brackets to surrounding structure • Seal vertical joints with 1STOP foil tape 	Cavity size (up to 200mm) + 5mm Cavity size (201mm - 400mm) + 10mm	3 no. 1STOP brackets	
2 In raised access floors							
 <p>Used to subdivide large floor cavities and can be installed below fire rated partitions to maintain fire compartmentation and provide an acoustic barrier.</p>	60mins	23dB (Rw) up to 50dB Dnf,w	Raised access floor cavities up to 400mm	<ul style="list-style-type: none"> • Measure cavity height • Cut 1STOP to measured size + compression factor • Optional: Use fixing brackets to enhance barrier stability prior to floor tile installation. Incorporate brackets, fix mechanically to surrounding structure after abutting strips, 2no. 1STOP brackets per 1200mm • Compress fit into cavity • Tightly abutt adjacent 1STOP strips • Optional: Seal vertical joints with 1STOP foil tape NB: For plenum applications please contact SIDERISE 	Cavity size (up to 400mm) + 10mm For cavities greater than 400mm contact SIDERISE	2 no. 1STOP brackets	
3 On tops of walls							
 <p>Used to prevent the rapid spread of flames, gases and smoke at the top of compartment walls in conjunction with concrete floors or composite decking.</p>	60mins	23dB (Rw) composite SRI up to 45dB	Tops of wall gaps up to 150mm	<ul style="list-style-type: none"> • Measure cavity height • Cut 1STOP to measured size + compression factor • Compress fit into cavity (foil facing remains visible, unfaced fibre is in contact with sides of construction) • Tightly abutt adjacent 1STOP strips 	Cavity size (Up to 150mm) + 5mm For cavities less than 20mm contact SIDERISE	None	
4 In profiled decks							
 <p>Used to seal cavities within metal deck corrugations at the top of fire resistant walls in conjunction with concrete floors or compositedecking.</p>	60mins	23dB (Rw) composite SRI up to 45dB	Depth of section up to 150mm	<ul style="list-style-type: none"> • Cut trapezoidal block template to match internal dimensions of metal deck profile (see installation guidelines) • Cut 1STOP to measured size + compression factor • Cut a rectangle piece of 1STOP for dovetail at the top of the profile • Compress fit into profile gap (foil facing remains visible, unfaced fibre is in contact with sides of construction) 	Block size (depth of section) + 5mm	None	