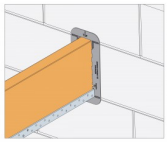
Technical data sheet

SFJC - SAFETY FAST JOIST CAP



The SFJC is an innovative product which enables a safe, practical and robust solution that satisfies the requirements of 'Approved Document B & L' of the Building Regulations. The SFJC is designed to be used where timber joists are built into a masonry external wall and eliminates the air leakage problems associated with shrinkage of timber joists. It also provides resistance to fire for up to 60 minutes when gaps are filled with mineral wool.

FEATURES

Material

- Black polypropylene

Benefits

- SFJC225/50 specifically designed for up to 50mm wide solid joists and I-joists, up to 225mm deep
- SFJC305/50, SFJC305/100 and SFJC225/100 models accommodate a large range of joists types and sizes
- Air leakage around the joist end is eliminated
- Wide face flanges provide an air tight seal
- Black polypropylene is recycable

TECHNICAL DATA

SFJC - Dimensions

References	Joist Dimensions [mm]		Dimensions [mm]					
	Width	Height	A	B	C	D	E	t
SFJC225/50	38-50	up to 225	50	225	107	132	287	2
SFJC225/100	51-100	up to 225	100	225	107	182	287	2
SFJC305/50	38-50	up to 305	50	305	107	132	365	2
SFJC305/100	51-100	up to 305	100	305	107	182	365	2

2. 2 No. SFJC Wedges are supplied with each SFJC305/50
4. 2 No. Steel Joist Plates are supplied SFJC225/100 and SFJC305/100

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INSTALLATION

Installation

The SFJC does not provide any lateral stability to the joists during construction phase. It is therefore necessary to install temporary bracing in accordance with the joist manufacturers instructions and/or standard construction practice, to ensure
temporary stability of the floor joists.

- Place the I-joist onto wall and adjust to ensure correct bearing at each end.
- Lift the floor joist and install SFJC over the end of the joist, ensuring the SFJC face flanges are tight against the inner face on the masonry wall.
- I-joists up to 50mm wide and 225/300mm high can be installed directly into the SFJC225/50 or SFJC305/50.
- For narrower joist widths use the wedge cut outs to pack the joist.
- SFJC225/100 & SFJC305/100 are for use with double I-joists up to 300mm high.
- Steel joist plates slide into the slots with the SFJC and are fixed to the top and bottom of the floor joists.
- Nail in place with two no N3.75x30mm square twist nails per plate.
- Install horizontal restraint straps at maximum 2m centres and nail to the timber joists with eight No N3.75x30mm square twist nails.
- Build up masonry between SFJC and continue with wall construction.
- Ensure all joints between the masonry and SFJC are fully filled with mortar.
- Also if necessary, fill the void around the joist wth mineral wool or expanding foam.