

Product name	Silverliner® Rainscreen
Product Code	RCB
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INTRODUCTION

The purpose of this document is to give guidance to approved contractors and suppliers who are engaged in the fire stopping of service penetrations in walls and floors using the Silverliner® Rainscreen System.

All service holes through floors and compartment walls must be fire stopped to prevent the passage of fire, smoke and hot gases.

The result of this work will: -

- Prevent the spread of fire, smoke and hot gases through a building by containing it in the compartment of origin.
- Maintain the integrity of escape routes from a building.
- Reduce loss or damage to property from the effect of fire and smoke.
- Maintain pressure differential between compartments and ventilation channel.
- **Open State Cavity Barriers for the ventilated version**











TRAINING

All operative to be engaged in the installation of Silverliner® Rainscreen must have received relevant training from FSi Technical Department and be certified accordingly. All installation work must be carried out in accordance with the guidelines laid down in this document.

The training facilities are provided by FSi Technical Department to ensure the correct installation procedures are followed to the approved Silverliner® Rainscreen specification and to maintain a high standard of workmanship and quality.



TOOLS AND EQUIPMENT

	Steel Tape Measure 2 metre minimum
	Carpenters Pencil & Straight Edge
	All Purpose Saw
	Hand Brush & Dust Pan
	Bread Knife
	Plastic Sheeting
	Pointing Trowel
	Pallet Knife

**PREPARATION FOR INSTALLATION**

Ensure that all service penetrations are complete and installed to the satisfaction of the main contractors/clients approval.

Remove all unnecessary combustible materials from the opening. Using a dust pan and brush, sweep all loose products from the inner surface of the opening and surrounding local to the installation.

Place a plastic sheet beneath the working area to catch any falling materials.

Silverliner® Rainscreen Ventilated are available in 1000mm x 75mm then cut to the size of the void.

Silverliner® Rainscreen Non Ventilated are available in 1000mm x 75mm with a 30mm intumescent foam on top, then cut to the size of the void

Various considerations dictate which type is to be used. These considerations may be obstructions, which prevent a certain type being used, irregular holes (broken through concrete slab floors for example), insufficient thickness of floor slab to accept the thickness of the seal. In this case the following installation instruction should be followed, but fix the Silverliner® Rainscreen brackets to the face of the floor or underside with a 100mm overlap of the substrate.

Silverliner® Rainscreen is approved to be used in and floor slabs abutting various substrates, most commonly Brick, Block work, Concrete, Dry lining walls and Steel clad walls.

**INSTALLATION OF SILVERLINER® RAINSCREEN VENTILATED**

Measure the size of the opening, cut RCB to size. Mask all surfaces where necessary to ensure the aesthetics of Silverliner® Rainscreen.

Install the simple fixing bracket (fig 1) by bending at the appropriate points, impale the bracket in to the Silverliner® Rainscreen at 200mm, 500mm and 800mm. You need to insert a minimum of 3 brackets within the Rainscreen then bend the tips of the brackets in both directions see (fig 2) to ensure secure fixing. If the product is cut to less than 1000mm always ensure 3 brackets are used.

Fit the Silverliner® Rainscreen in to the void (fig 3), ensuring there is a 25mm gap between the curtain wall and the system. Drill or nail fire non combustible fixing through the split fixing bracket in to the slab.

Continue the above procedure to fill the opening. The seal should be made up from as few pieces of Silverliner® Rainscreen Rainscreen as practicable.

Any small gaps in the seal left when all cut pieces have been installed should be tightly packed with off-cuts and sealed with foil tape.

To complete the installation a small bead of Pyrocoustic® Sealant can be applied around the extremities of the opening for aesthetics. Remove any masking and dispose of waste materials.

**INSTALLATION OF SILVERLINER® RAINSCREEN NON VENTILATED**

Measure the size of the opening, cut RCB to size. Mask all surfaces where necessary to ensure the aesthetics of Silverliner® Rainscreen.

Install the simple fixing bracket (fig 4) by bending at the appropriate points, impale the brackets in to the Silverliner® Rainscreen, brackets should be positioned at 300mm and 700mm. You need to insert a minimum of 2 brackets through to the mid point of the Rainscreen. If the product is cut to less than 1000mm always ensure 2 brackets are used.

Fit the Silverliner® Rainscreen in to the void (fig 5), ensuring there is a no gap between the curtain wall and the system. Drill or nail fire non combustible fixing through the split fixing bracket in to the slab.

Continue the above procedure to fill the opening. The seal should be made up from as few pieces of Silverliner® Rainscreen as practicable.

Any small gaps in the seal left when all cut pieces have been installed should be tightly packed with off-cuts and sealed with foil tape.

To complete the installation a small bead of Pyrocoustic® Sealant can be applied around the extremities of the opening for aesthetics. Remove any masking and dispose of waste materials.





INSTALLATION DIAGRAM



Fig 1

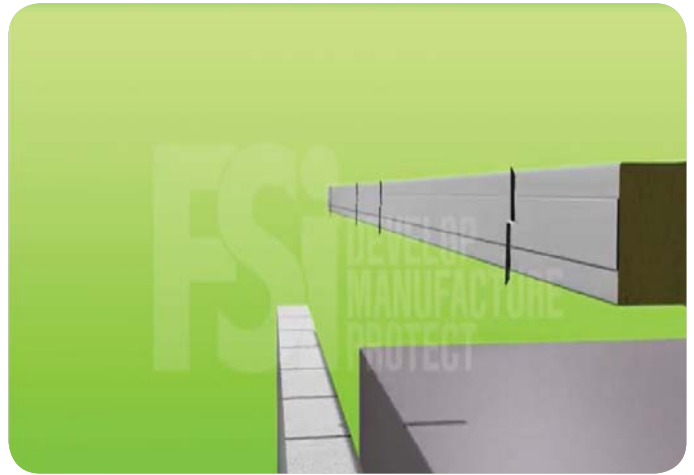


Fig 2

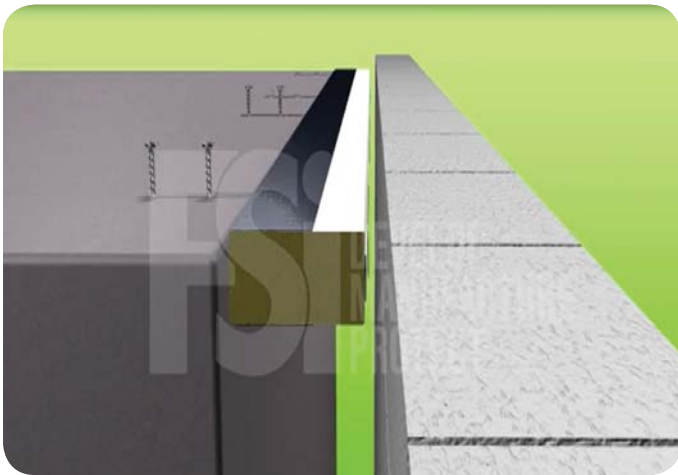


Fig 3

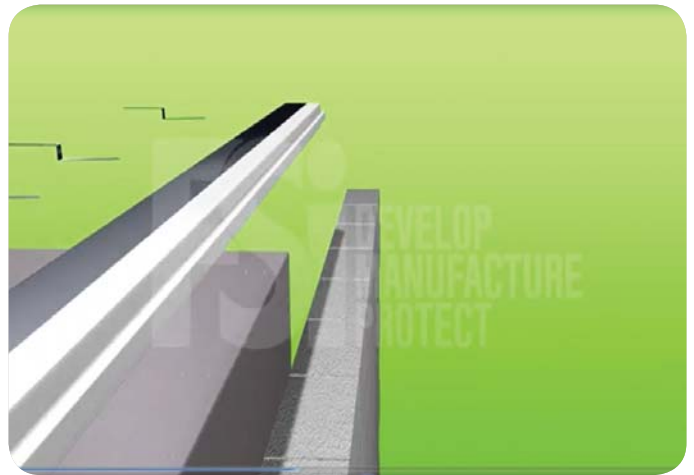


Fig 4

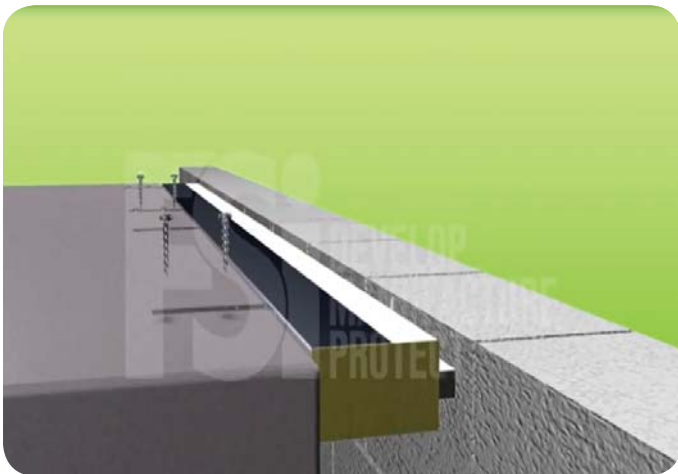


Fig 5

