



STRAMIT Uniguard™

FIRE-RESISTING WALL SYSTEM

Quick, economical boundary wall solution

Suitable for boundary wall applications in
Class 7b & 8 buildings of Type C construction.

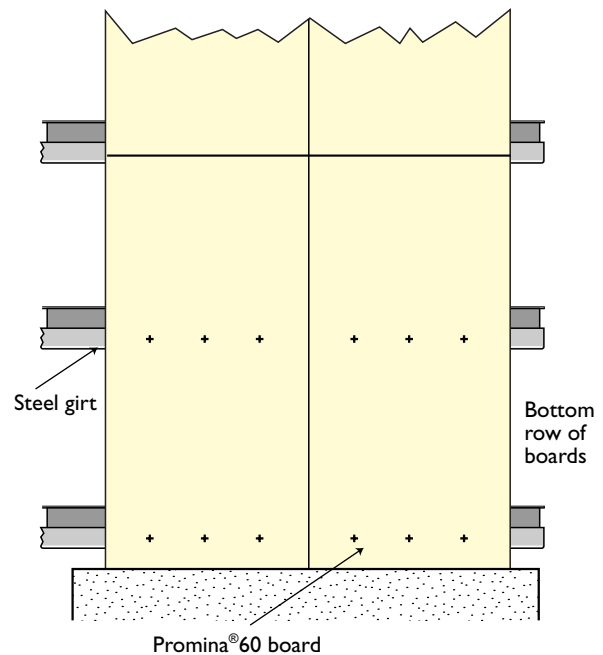
INSTALLATION GUIDE

I N S T A L L A T

Installing the **Stramit Uniguard™** fire-resisting wall system

- Ensure all girts are correctly installed and in line.
- Place the lining board with the top overlapping a girt, leaving enough room on the web of the girt for the bottom of the board above.
- To keep the board in place, fix it through the centre to a girt using 3 fasteners. The outside fasteners should be at least 100mm from the board edge. There's no need to fasten the ends of the board at this stage because they will be held in place by the spacer battens and then secured by the sheet fasteners.
- Next, fix the boards to the lowest girt with three fasteners.
- Butt the next board tightly up against the already attached board and fix as before. Repeat for any higher rows of boards.
- On the corners of the building, ensure boards overlap.
- Position and fix the bottom flashing.
- Position and fix the first sheet of cladding, ensuring correct overhangs. Make sure the screws are in line with the girt and spacer batten and do not over-tighten.
- Fix subsequent sheets, checking that sheet ends at the lower edge are exactly aligned. Ensure the cladding and flashing are fitted so that the lining board is not visible from the outside.
- Position and fix edge trims.
- Seal rib cavities in roof cladding using fire retardant sealing strip.

Contact your Stramit Technical Services representative for further installation details.



Fasteners

All fastening screws must conform to AS3566-Class 3 or 4. Sheeting fasteners should be hexagon-headed and may be used with sealing washers.

For pan-fixing cladding to girts

- No. 12x45mm hex head self-drilling and threading screws, (for use with 12.5mm spacing batten. For cyclonic areas use No. 14 screws)
- No. 12x55mm hex head self-drilling and threading screws, (for use with 25mm spacing batten)
- No. 12x65mm hex head self-drilling and threading screws, (for use with 40mm spacing batten)



(for cyclonic areas use No. 14 screws)

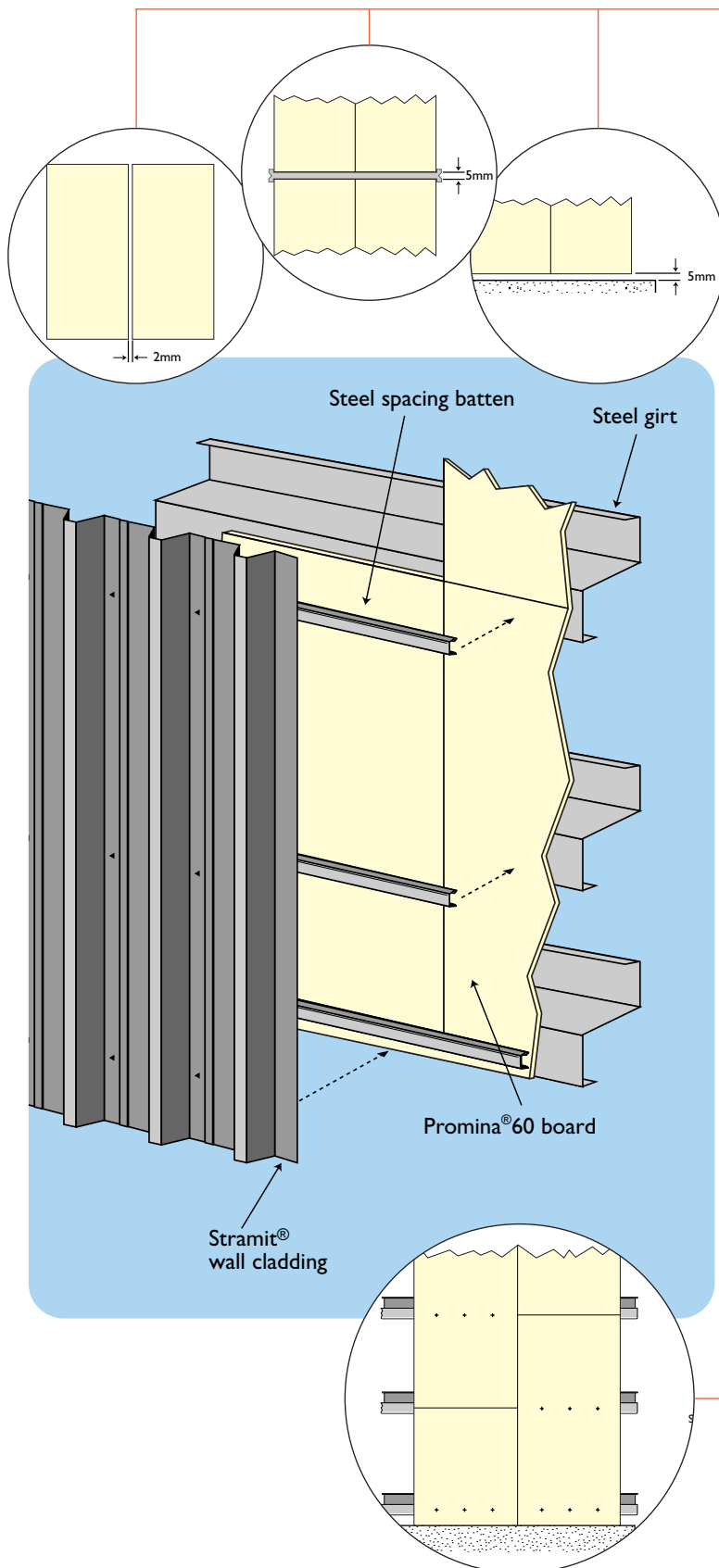
For fixing Promina®60 boards to girts

- No. 10x35mm wing-tipped and rib-head screws



- No. 12x35mm hex head self-drilling and threading screws may also be used.

Fastener quantities should allow for general wastage and loss of screws.



Gaps between boards

Air gaps between boards must not exceed 2mm. The gap between the bottom row of boards and the concrete floor should be no more than 5mm. Where board ends overlap a girt, the gap between the board should not exceed 5mm.

The lining boards are accurately cut at right angles, but during installation small gaps may occur because of site irregularities. Promat Promaseal acrylic fire penetration sealant can be used to seal gaps that exceed the above dimensions.

Right side in

The boards are slightly smoother on one side. For aesthetic reasons, position the board with the smoother side facing into the building.

Tilt-up frames

The wall system can be assembled on the ground and lifted into place. However, careful planning and execution are required to ensure the lift is even and the board is not cracked. If the boards are fixed flat, for tilt-up construction, walk only directly above the girts.

Alternative method

The boards can also be staggered as shown.

Good practice

Stramit Building Products recommends that good trade practice be followed when using this system, such as described in Australian Standards Handbook HB39.

A T T E N T I O N G U I



Do's & Don'ts

- ✓ Always allow 10 per cent extra when ordering to allow for breakage and wastage.
- ✓ Cut the lining board using a tungsten-tipped blade.
- ✓ Wear safety glasses and other PPE when cutting and handling boards.
- ✓ Always carry the board vertically on its edge.
- ✓ When lifting or carrying, two people are better than one (the board weighs 41 kg).
- ✓ Always use a spacer batten between the board and the steel cladding. This isolates the board from the sheeting. It has no effect on the fire resistance of the system.
- ✓ When fastening the sheeting, ensure the screw is driven through all components – sheeting, spacer batten, lining board and girt.
- ✓ Make sure you have the certification sign-off confirming that the completed system meets the BCA fire resistance requirements.
- ✗ Don't leave lining boards out in the weather. Although the boards are water tolerant, they should not be exposed to the weather for prolonged periods.
- ✗ If constructing the wall horizontally on the ground, don't walk on unsupported sections of the board.
- ✗ Don't fix the steel wall cladding directly to the lining board – a spacer batten must be used.
- ✗ Don't fix the wall sheeting to the spacer batten only.
- ✗ Don't use ZINCALUME® spacer battens. Stramit recommends galvanised battens.
- ✗ Don't install windows or other penetrations in the fire-rated wall. This may compromise the fire resistance of the system.
- ✗ Don't exceed the maximum air gaps between boards recommended in the Stramit Uniguard™ Technical Manual.

www.stramit.com.au

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