

# PRODUCT GUIDANCE

## EPS INSTALLATION

# Lite<sup>cast</sup>

To start the installation, roll out a Damp Proof Course (DPC) over the bearing walls and trim it to fit using a cutting blade.



Starting from the point marked ▷, place the beams as shown on the Litecast approved drawing.

- 'AS' beams: 324mm from the inner skin to the beam center.
- 'CS' beams: Use the dimensions specified in the design.
- Middle of the bay starter beams: Refer to the drawing for the distance from the inner skin to the beam center.
- Lay beams at 588mm centers unless specified otherwise.
- 'JXF' or 'JXH' beams are positioned to avoid floor penetrations or between parallel load-supporting beams when standard centers are not possible. Adjust these beams on site as needed



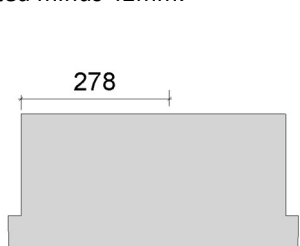
Edge clips are provided to support panels cut for start and end units. Install these clips at the DPC level, embedding them into the inner skin of the building.

- A full 1200mm panel should have 2 clips.
- Cut length panels 600-1200mm should have 2 clips.
- Cut length panels 300-600mm should have 1 clip.



Start laying the panels from the point marked ►, Whenever possible, lay the poly from bay 1 onwards. Measure the distance from the face of the wall to the base of the start beam.

- 'AS' section: approx. 278mm.
- 'CS' section: dimension stated minus 42mm.



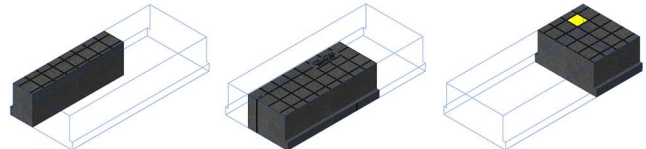
### ALL START/END PANELS ARE CUT FROM FULL 540MM WIDTH PANELS

Measure the same distance on the top face of the panel and use a straight edge to mark a line along it. Cut along the line with a saw or hot wire. Place the cut panel into position. Use the offcut panel at the opposite end of the bay. If a larger panel is needed, retain the offcut for use elsewhere in the installation.



Repeat this process along the beam until a smaller panel is needed.

To create three usable pieces from one panel, measure the gap from the edge of the panel to the face of the wall. Measure the same distance along a panel and use a straight edge to mark a line across it.



- Panels less than 300mm cannot be used, so avoid creating unusable offcuts. Example: For a 1000mm gap, use 600mm and 400mm panels. For a 1400mm gap, use 800mm and 600mm panels. The design program will always include a 600mm panel.



Taking the measurement from the face of the wall to the base of the start beam, mark the panel using a straight edge and cut along the panel. Place the cut panel into position and retain the offcut for the use at the opposite end or elsewhere in the project.



Start the next row with the full width offcut of the last row. Continue along until a smaller panel is needed, repeat the above process to ensure a panel of less than 300mm is not created.

Follow this approach until all rows are filled.

The end row should be filled using the offcuts from the starter row. If the offcuts are too small, cut new full panels to fit and use those. Retain all offcuts for use elsewhere in the project.



Once all panels are placed, lay the white structural rail on top of the beams. Position the rails along the beams, using the same logic as with the panels regarding offcuts.



- Rails less than 300mm cannot be used, so avoid creating unusable offcuts. Example: For a 1000mm gap, use 600mm and 400mm rails. For a 1400mm gap, use 800mm and 600mm rails. The design program will always include a 600mm rail.

If laid correctly the rails should follow the same pattern as the panels.



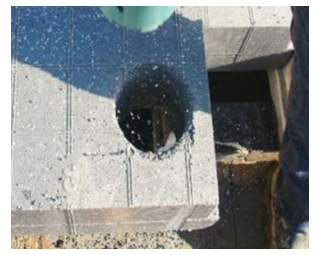
Where multiple beams are placed a multi rail is required. These should be placed along the beam prior to the standard rail.

- Multi rails are only 600mm in length and should not be cut to less than 300mm.



For nonstandard centers ('JXF' or 'JXH' sections), measure the distance between the beams upper sections and cut the panel accordingly. Place the panel in the gap and discard the offcut. Cut a structural rail at the inner corner of the recess and place it between the cut and standard panels, ensuring no gaps. Use GT12 panels for GT11 floors and GT18 panels for GT15 floors as cut panels.

- For 'JXH' rows, use a half (270mm) panel; for 'JXF' rows, use a full (540mm) panel.



To accommodate service pipes, measure the position on the panel and cut a void using a core drill or hand saw. Fill gaps between the pipe and panel with expanded foam.

Use full or half closure blocks for external walls and internal walls needing a thermal break. Their positions are marked in blue on the design and should only be used there.



To finalise the floor PSI Strips are installed around the perimeter of the area eliminating cold bridging between the wall and floor junction.

Essential points to remember.

1. Work along the beam when laying panels.
2. All starter/end panels are created from full 540mm width panels.
3. Use the offcut from each row to start the next row.
4. No cuts of panels, rails or multi rails to be used that are less than 300mm.
5. When creating panels of less than 1200mm do not create unusable offcuts.
6. For gaps of over 900mm use a panel of 600mm in the combination.
7. Make sure you are using the correct panels for cut rows when installing GT11 or GT15 floors.