TECHNICAL GUIDANCE NOTE

Loading of Jetfloor with blocks during construction - June 2017

REQUIREMENTS FOR LOADING OUT JETFLOOR WITH BLOCKWORK DURING CONSTRUCTION

The following data sheet is intended to provide general advice where packs of blockwork are required to be supported off Jetfloor during construction.

When placing packs of blockwork the following conditions shall be met:

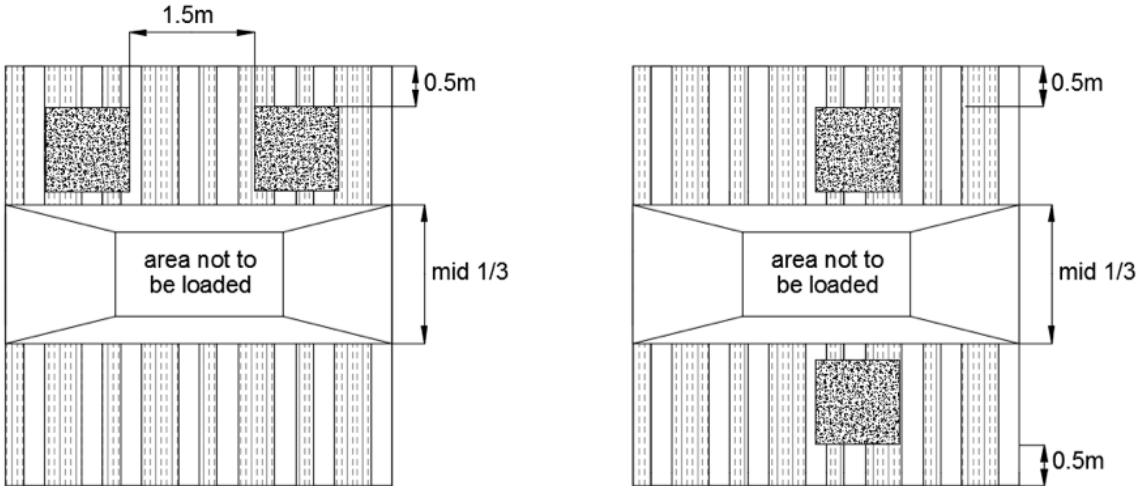
- Only single packs (no multiple stacking)
- Packs to have an edge distance from the wall of 0.5m
- Packs to have 1.5m edge distance between them

The following table identifies the capacity of Forterra Jetfloor to support packs of blockwork for two load cases and incorporates data for 72No. Block packs (4.9kN & 10kN), 90No. Block packs (6.2kN & 12.8kN).

- Load case one is when packs of blockwork are required to be stacked on one end only of the unit.
- Load case two is when packs of blockwork are required to be stacked on both ends of the unit.

The load capacity table is based on the self-weight of the floor system plus the pack/s of blockwork and incorporates a construction load of 1.5kN/m2. It has been assumed that finishes will be 80mm insulation and 70mm structural topping.

Please refer to figure 1 for clarification of the two load cases and conditions relating to the positioning of the packs.



Load case 1 Load case 2

Figure 1 - Locations where packs of blockwork can be placed

If mortar tubs are to be used then these can replace a pack of blocks provided that the weight is equivalent or less.

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a Forterra brand

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Table 1 – maximum spans for 72 pack size (1500kg/m³)

Load case 1 - 72 blocks - medium dense - 1500kg/m³									
		Span (m)							
Beam	Infill Blocks	3	3.5	4	4.5	5	5.5	6	6.5
BT02	W/W								
BT02	W/N								
BT02	N/N								
RD09	W/W								
RD09	W/N								
RD09	N/N								
T008	W/W								
T008	W/N								
T008	N/N								

Load case 2 - 72 blocks - medium dense - 1500kg/m³									
		Span (m)							
Beam	Infill Blocks	3	3.5	4	4.5	5	5.5	6	6.5
BT02	W/W								
BT02	W/N								
BT02	N/N								
RD09	W/W								
RD09	W/N								
RD09	N/N								
T008	W/W								
T008	W/N								
T008	N/N								

Table 2 – maximum spans for 90 pack size (1500kg/m³)

Load case 1 - 90 blocks - medium dense - 1500kg/m³									
		Span (m)							
Beam	Infill Blocks	3	3.5	4	4.5	5	5.5	6	6.5
BT02	W/W								
BT02	W/N								
BT02	N/N								
RD09	W/W								
RD09	W/N								
RD09	N/N								
T008	W/W								
T008	W/N								
T008	N/N								

Load case 2 - 90 blocks - medium dense - 1500kg/m³									
		Span (m)							
Beam	Infill Blocks	3	3.5	4	4.5	5	5.5	6	6.5
BT02	W/W								
BT02	W/N								
BT02	N/N								
RD09	W/W								
RD09	W/N								
RD09	N/N								
T008	W/W								
T008	W/N								
T008	N/N								

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Table 3 – maximum spans for 72 pack size (730kg/m³)

Load case 1 - 72 blocks - Thermalite - 730kg/m³									
		Span (m)							
Beam	Infill Blocks	3	3.5	4	4.5	5	5.5	6	6.5
BT02	W/W								
BT02	W/N								
BT02	N/N								
RD09	W/W								
RD09	W/N								
RD09	N/N								
T008	W/W								
T008	W/N								
T008	N/N								

Load case 2 - 72 blocks - Thermalite - 730kg/m³									
		Span (m)							
Beam	Infill Blocks	3	3.5	4	4.5	5	5.5	6	6.5
BT02	W/W								
BT02	W/N								
BT02	N/N								
RD09	W/W								
RD09	W/N								
RD09	N/N								
T008	W/W								
T008	W/N								
T008	N/N								

Table 4 – maximum spans for 90 pack size (730kg/m³)

Load case 1 - 90 blocks - Thermalite - 730kg/m³									
		Span (m)							
Beam	Infill Blocks	3	3.5	4	4.5	5	5.5	6	6.5
BT02	W/W								
BT02	W/N								
BT02	N/N								
RD09	W/W								
RD09	W/N								
RD09	N/N								
T008	W/W								
T008	W/N								
T008	N/N								

Load case 2 - 90 blocks - Thermalite - 730kg/m³									
		Span (m)							
Beam	Infill Blocks	3	3.5	4	4.5	5	5.5	6	6.5
BT02	W/W								
BT02	W/N								
BT02	N/N								
RD09	W/W								
RD09	W/N								
RD09	N/N								
T008	W/W								
T008	W/N								
T008	N/N								

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