



Jablite Ground Heave Protection –Vertical Installation Guide

Preparation

- **Store the packs of JGHP boards horizontally**, Do not store near potential fire risks such as welding or grinder areas.
- **Ensure that you have a firm, level surface** to install the product on by compacting the bottom of the excavation and blinding it with a layer of concrete or sand and cement.
- **Do not step or walk on the edges of the JGHP boards**. During construction, walking boards are recommended, especially for lower grade JGHP boards i.e. 1, 2 and 3.

Installation

1. Place the JGHP boards - with the side that is printed facing upwards - into the prepared area. Each board is marked up to show its grade, application and depth.
2. Use a fine-toothed saw to trim the boards to fit. The boards must be at least 300mm wide or long. Take care when cutting that the distance between the two cellular walls is never over 75mm (or more than 50% of the distance between the two white walls), this will weaken the board so that it may not be strong enough to hold the concrete load. (See diagram 1)
3. For a **Slab** installation the joints of the boards should be staggered and sealed with formwork tape. All board joints should be sealed. (See diagram 2)



Diagram 1.

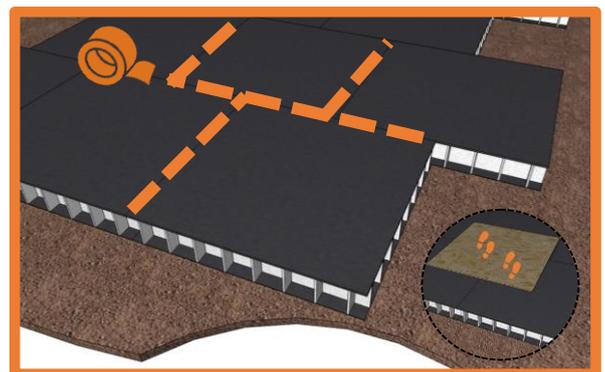


Diagram 2.





4. For a piled ground **Beam** installation, trim the top of each pile so that it penetrates the void former by 75mm to allow for 50mm concrete blinding and a keying depth of approximately 25mm into the ground beam. (See diagram 3)
5. To facilitate a good and easy installation around the pile, we recommend the use of **Jablite pile collars**. (See diagram 4)
6. Cover the boards with a 50 mm thickness of **concrete blinding** where heavy reinforcement (equal or greater than 1 kN/m^2) is proposed, or where the reinforcement will be subjected to significant point loads from foot traffic or other imposed loading. This can be done as soon as the boards are installed. (See diagram 5)
7. Place the **spacers** in a staggered formation – the lengths of linear spacers should be no longer than 350mm to avoid restricting the aggregate flow. For more information see BS EN 7973-1: 2001. (See diagram 6)
8. Fix the **reinforcement** to ensure that the correct depth of concrete cover will be achieved. This will ensure that the maximum imposed load beneath each support is appropriate to the grade of the installed JGHP board.
9. The **concrete pour** must be handled with great care to ensure that individual boards are not overloaded with concrete. Any pump or skip used must not be placed on the boards. (See diagram 7)

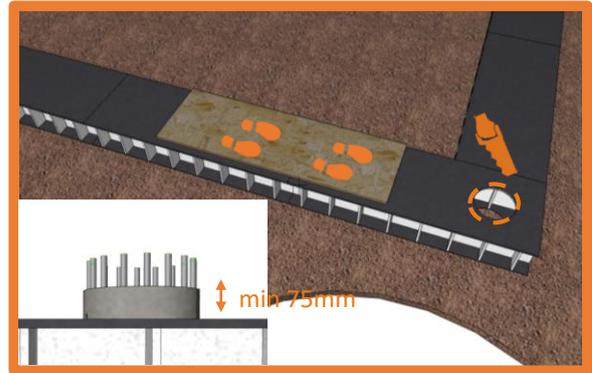


Diagram 3.

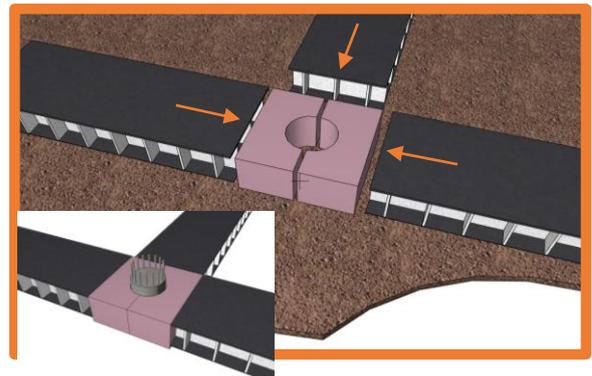


Diagram 4.

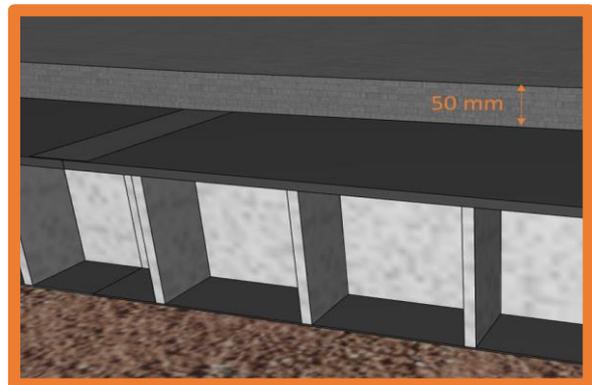


Diagram 5.



Diagram 6.

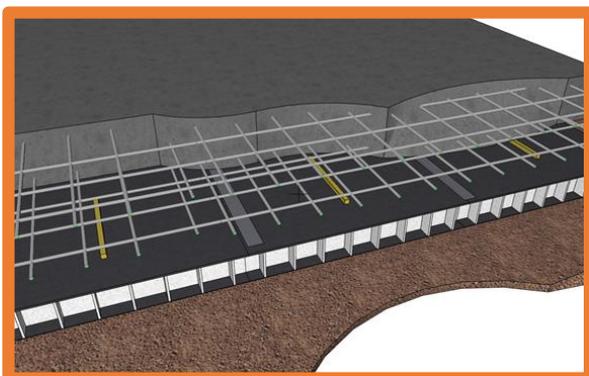


Diagram 7.

