FLOORTHERM-MP™

THE HIGH PERFORMANCE MICRO-POROUS FLOOR INSULATION MEMRANE

FLOORTHERM BEAM AND BLOCK FLOOR APPLICATION INSTALLATION MANUAL

BBA BRITISH BOARD AGREMENT

1) The ground surface inside the foundation walls should be levelled at a minimum of 100mm below D.P.C.

2) Start from one corner, roll out FLOORTHERM in the direction of the floor span. Rest the material on the ground and drape it over the perimeter walls *(Diag.1).*

3) Cut the strip from the roll allowing for a minimum 100mm drape over the outer edge of the walls. *(Diag.1).*

4) Fix the sheet to the starting wall (short edge) only using the proprietary FLOORTHERM clips, at approximately 500mm centres.

5) Fit approximately 500mm pre-cut lengths of the BUTYL tape at 50mm from, and parallel to, the inner edge over it's entire length.(*Diag.3)*

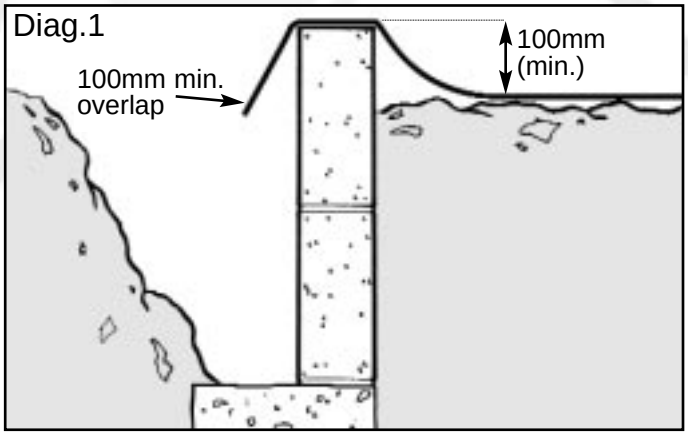
6) Fit the next width of FLOORTHERM as in (2) to (4). Lapping the edges 100mm. Always ensure that a clip is fitted over the lap joint *(Diag.2).*

7) Progressing from one wall towards the other, pull off the release paper from the successive lengths of tape. Smooth the top layer of FLOORTHERM on to the tape pressing down firmly to ensure good adhesion. Take care to maintain a uniform alignment of the strips. *(Diag.2).*

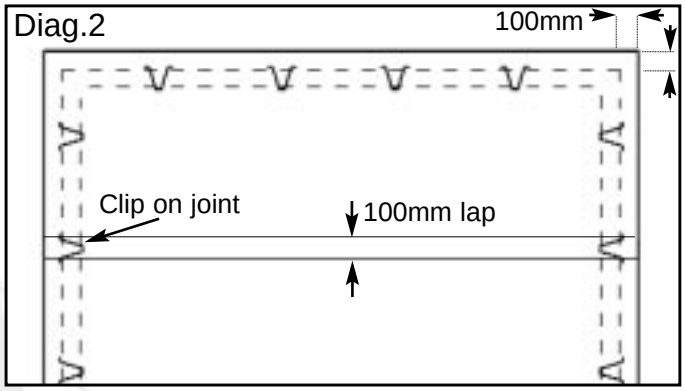
8) It is advisable to make a puncture at mid-span of each strip to prevent ponding during wet weather *(Diag.4).*

9) At vertical pipe penetrations make cross cuts along the centre line of the pipe, extending about 200mm from the pipe towards the fixed end, to allow for movement when tensioning the membrane (*Diag.5).*

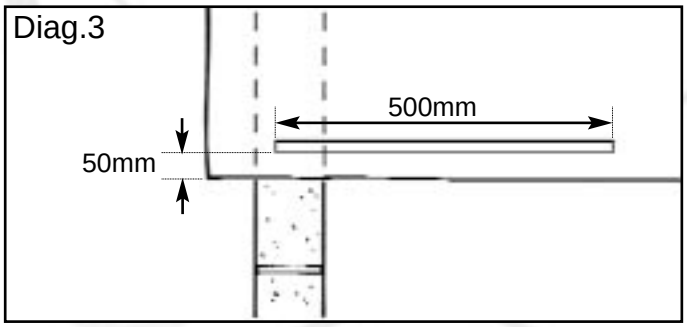
Diag.1



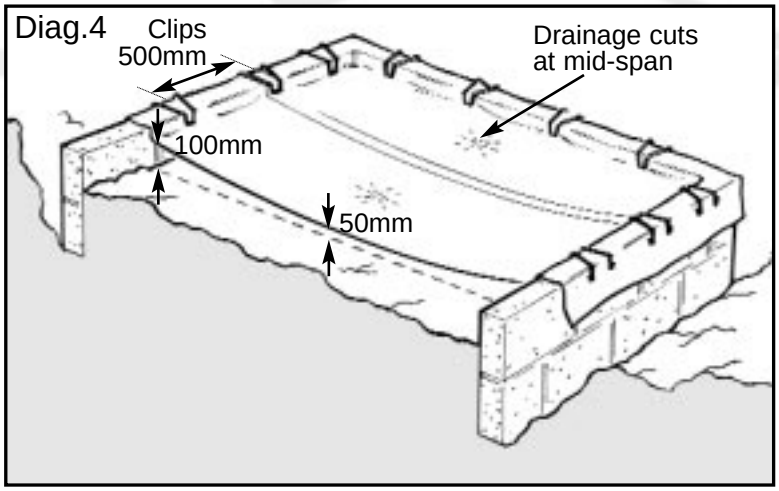
Diag.2



Diag.3



Diag.4



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10) Repeat the process until the entire bay is completed.

11) FLOORTHERM should, where possible, be tensioned just prior to the placing of the beams. Tension from the free end and pulling at the lap joints. Lift the successive widths of FLOORTHERM approximately 50mm off the ground mid-span and clip them to the perimeter walls. Fit clips also along the short walls *(Diag.4).*

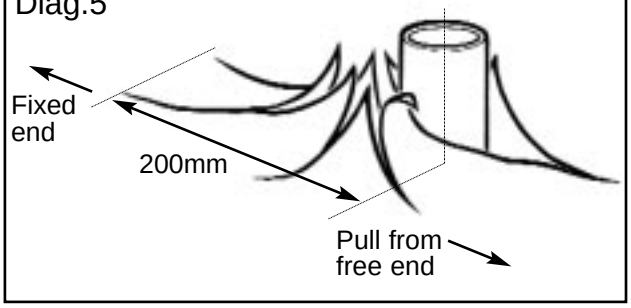
12) Fit the D.P.C. over the walls, with short lengths of 50mm BUTYL TAPE, say l.5m.c/c, to prevent sliding during wet weather *(Diag.6).*

13) When placing the beams, move clips where they coincide with the beam seatings. Do not place beams on top of clips.

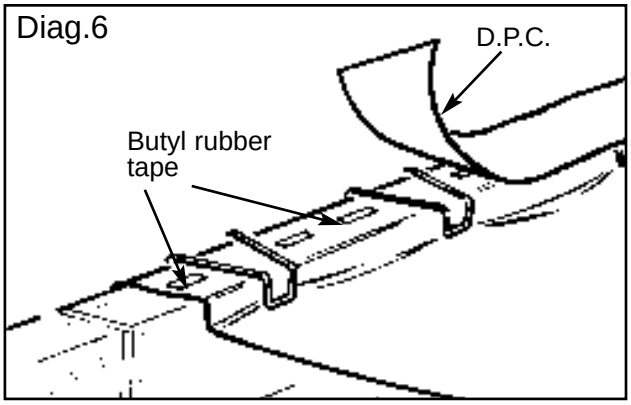
14) Standing on the beams form “patches” around pipe penetrations using aluminium foil tape *(Diag.7).*

15) Any damage to FLOORTHERM can be repaired with the aid of the foil tape.

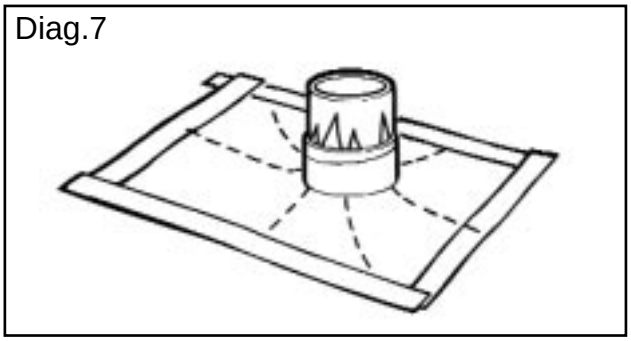
Diag.5



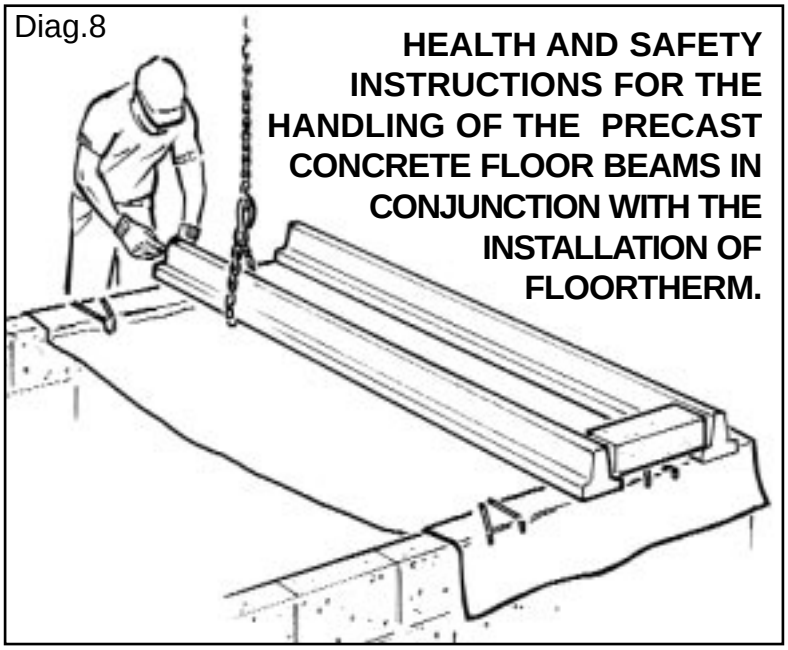
Diag.6



Diag.7



Diag.8



HEALTH AND SAFETY INSTRUCTIONS FOR THE HANDLING OF THE PRECAST CONCRETE FLOOR BEAMS IN CONJUNCTION WITH THE INSTALLATION OF FLOORTHERM.

Due to the presence of the FLOORTHERM MEMBRANE it is not possible to stand inside the walls in order to place the beams. The following procedure should, therefore, be adopted.

- The final accurate positioning of the beam should be done end by end. First one end is mechanically lifted and swung into position, followed by the opposite end *(Diag.8)*
- Only horizontal force should be applied to swing the beam-ends into place. Manual lifting of the beam-ends should not be attempted.
- There should be two operators employed in placing the beams, one located at each end, standing outside the walls of the floor bay concerned.
- The beam should be landed in its approximate position on the walls by crane (mechanical lifting apparatus).

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