

## VENTFORM PLUS



### Product Identification:

- All Ventform Plus panels are clearly labelled, confirming the product type, depth and grade.

### Product Selection & Suitability:

- The suitability of Ventform Plus for the application it is intended should be based upon the recommendations and specification of the Project Design Team and in accordance with the following:
  - > NHBC guidance (where applicable)
  - > Cordek Ventform Plus Data Sheet

### Storage & Handling

- All products are delivered in a polythene wrapping and are clearly labelled. Individual panels can be manually handled and offloaded upon delivery, depending on their weight - please consult the panel weight table in the product data sheet for further information. Please ensure you follow manual handling regulations.
- Due to the relatively light nature of the product, all Ventform Plus packs/panels should be weighted down or secured should they be stored outside prior to installation. No further storage requirements are needed as the product is unaffected by both UV light and water.
- Ventform Plus panels must not be exposed to flame or ignition. Careful consideration should also be given to the management of fire risk when in storage; detailed guidance is given in the material safety data sheet packaged with the product.

For further guidance on product selection and suitability, please consult the Cordek Technical Team on 01403 799600, [techsupport@cordek.com](mailto:techsupport@cordek.com) or visit our website at [www.cordek.com](http://www.cordek.com).

## INSTALLATION

### General:

- The excavations for the foundations must be carried out generally in accordance with BS 6031 : 2009 paying particular attention to any site specific safety procedures or requirements.
- Heavy foot traffic directly on the Ventform Plus panels, particularly the edges, should be avoided or alternatively the use of walking boards should be adopted.
- Ventform Plus panels are suitable for horizontal (flat) and sloping (no greater than 45 degrees) installation only and should not be installed vertically.
- Where there is a requirement to cut the panels, this should be undertaken using a fine-toothed saw or hot wire cutter (available for hire from Cordek). Ventform Plus panels should have a minimum of two complete legs in each direction in order to maintain stability.

### Preparation:

- Ventform Plus panels should be placed upon a suitable firm and level surface. Typically, a blinding layer beneath the panels is recommended. The use of a sand blinding should be avoided as this may reduce the void created by the product and therefore also its effectiveness as a sub-floor venting layer.

### Procedure:

- Ventform Plus panels should be positioned flat, EPS board facing upward and the EPS square legs below. Individual panels should be butted together, staggering the joints where possible, with taping of the joints using the Cordek Formwork Tape to avoid any grout loss between them unless they are to be covered with a membrane.
- Where a membrane e.g. gas resistant DPM is proposed, this should be positioned above the Ventform Plus, not beneath, to ensure that ground gases can reach the sub-floor venting layer effectively.

### Venting Accessories & Outlets:

- Prior to concrete placement, consideration should be made with regards to connecting the Venting Accessories / Perimeter Vent Outlets based upon the recommendations and specification of the Project Design Team.

## Concrete Placement:

- Reinforcement spacers can be positioned directly upon the Ventform Plus panels or on the concrete blinding, where required\*.
- The number, type and frequency of the reinforcement spacers should be selected to achieve adequate load spread from the reinforcement and site traffic on to the Ventform Plus panels. Further guidance on the use of reinforcement spacers can be found in the relevant Cordek data sheets and in BS 7973-1 (2001).
- Reinforcement or other construction materials should not be stockpiled on top of the Ventform Plus panels.
- Surcharging should be avoided when placing concrete on to the Ventform Plus panels. Concrete pumping equipment should not be positioned on the panels unless approval from the Project Design Team has been given.
- The depth of concrete placed above the Ventform Plus panels must not exceed that stated in the relevant product literature. Where a ground bearing slab is proposed, the live load relating to the propose use of the building / structure should also be considered.

\* The use of a 50 mm thickness of concrete blinding should be considered where heavy reinforcement is proposed or where the reinforcement will be subjected to significant point loads from foot traffic or other imposed loading.