

VENTFORM



Product Identification:

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

Product Selection & Suitability:

- The suitability of Ventform 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)
 - > BBA Agreement Certificate No. 12/4916
 - > Cordek Ventform Data Sheet

Storage & Handling

- All products are delivered in a polythene wrapping and are clearly labelled. Both packs of Ventform and individual panels can be manually handled and offloaded upon delivery, taking into account any site specific manual handling regulations.
- Due to the relatively light nature of the product, all Ventform 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 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 or visit our website at 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.
- Installation of the Ventform panels should be undertaken from outside the excavation where possible unless appropriate measures are in place to allow safe entry. Precautions should be taken to ensure the sides of the excavation do not collapse during installation of the product, for example using shoring.
- Heavy foot traffic directly on the Ventform panels, particularly the edges, should be avoided or alternatively the use of walking boards should be adopted.
- Ventform 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 panels should have a minimum of two complete legs in each direction in order to maintain stability.

Preparation:

- Ventform 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 panels should be positioned flat, EPS board facing upward and the moulded EPS square / circular 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, 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 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 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 panels.
- Surcharging should be avoided when placing concrete on to the Ventform 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 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.