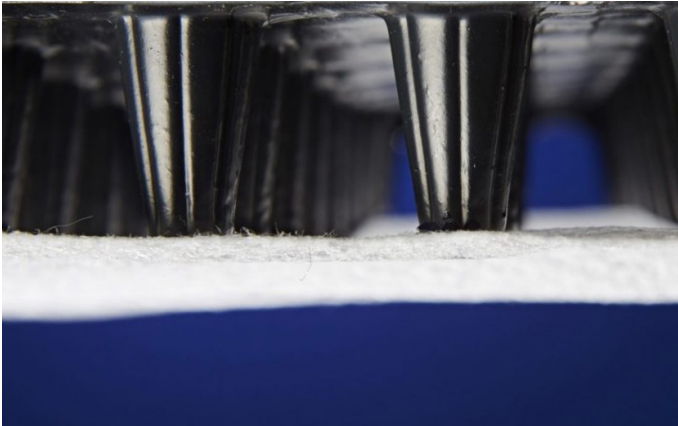


## GEOCOMPOSITE VENT MAT



### 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 Geocomposite Vent Mat 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.
- Foot traffic directly on the Geocomposite Vent Mat is permissible, however trafficking by mechanical plant or storage of construction materials upon the product should be avoided. Where damage to the product is identified, replacement should take place prior to placement of covering materials e.g. gas resistant membrane.
- The Geocomposite Vent Mat is 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 product, this should be undertaken using a fine-toothed saw or a sharp bladed tool.

#### Preparation:

- The Geocomposite Vent Mat rolls should be placed upon a suitable firm and level surface consisting of a material that is suitably permeable to ground gases and vapours.

#### Procedure:

- Geocomposite Vent Mat rolls / strips should be butted together, staggering joints where possible. Taping of the joints using the Cordek Formwork Tape to avoid any grout loss, unless covered with a gas resistant membrane, is recommended.
- Where a membrane e.g. gas resistant DPM is proposed, this should be positioned above the Geocomposite Vent Mat, **not** beneath, to ensure that ground gases can reach the sub-floor venting layer effectively.

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).

#### Product Identification:

- All Geocomposite Vent Mat rolls are clearly labelled, confirming the product type, dimensions and weight.

#### Product Selection & Suitability:

- The suitability of the product 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)
  - > BS 8485:2015+A1:2019 Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings
  - > Cordek Geocomposite Vent Mat Data Sheet
- 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 consult our website at [www.cordek.com](http://www.cordek.com).

#### Storage & Handling

- All products are delivered in a polythene wrapping and are clearly labelled. Rolls are delivered on either pallets or bearers to allow mechanical unloading and handling.
- Once in position, unrolling of the product can be undertaken manually as can manoeuvring of individual strips or sections, considering any site-specific manual handling requirements or restrictions.
- **Geocomposite Vent Mat 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.**

## Venting Accessories & Outlets:

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

## Concrete Placement:

- Reinforcement spacers can be positioned directly upon the product, when the appropriate number and type of spacer are used. The top surface of the installation can be reinforced with a layer of concrete blinding to spread the spacer loads if required e.g. where a very heavy reinforcement arrangement has been specified.
- 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 Geocomposite Vent Mat. 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 product, nor should concrete pumping equipment unless approval from the Project Design Team has been given.
- Consideration to the depth of concrete placed above the Geocomposite Vent Mat should be considered in relation to its physical properties. Where a ground bearing slab is proposed, the live load relating to the proposed use of the building / structure should also be considered.

DISCLAIMER: Information contained within this 'Installation Guide' is for guidance only, and it is intended for experienced construction industry workers. It contains summaries of aspects of the subject matter and does not provide comprehensive statements of construction industry practice. As conditions of usage and installation are beyond our control we do not warrant performance obtained. Please contact us if you have any doubt as to the suitability of application. The information provided within this document is based on data and knowledge correct at the time of printing.