

HEAVEGUARD



Product Identification:

- All packs of Heaveguard are clearly labelled, confirming the product type, sheet dimensions and pack quantities.

Product Selection & Suitability:

- The suitability of Heaveguard 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. 17/5448
 - > Cordek Heaveguard Data Sheet

Storage & Handling

- All products are delivered in a polythene wrapping and are clearly labelled. Both packs of Heaveguard and individual sheets 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 packs of Heaveguard 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.
- Heaveguard sheets 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 ground beams or 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 Heaveguard sheets 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.
- Where there is a requirement to cut the sheets, this should be undertaken using a fine-toothed saw or hot wire cutter (available for hire from Cordek).

Preparation:

- Excavation of the ground beam trenches should take into account the required thickness of Heaveguard sheets, which are usually only required on the inside face of external ground beams, as indicated in the NHBC guidelines.
- The base of the ground beam excavation should be flat, even and properly compacted. This may require blinding the excavation base with concrete or granular material, dependant on site specific conditions.
- **Deep Trench Fill** - Typically the excavation will be founded 500mm below the zone of influence, and the Heaveguard sheets installed in accordance with NHBC requirements, i.e. 500mm above the bottom of the trench and on the inside face of the excavation.
- **Piled Ground Beams** - The Heaveguard sheets should be placed against the face of the ground beam after striking of the formwork and prior to backfilling. If a permanent formwork system is used to cast the ground beams, then the formwork should be dimensioned appropriately such that the sheets will fit either inside / outside of the former as required, prior to concreting.

Procedure:

- Heaveguard sheets should be installed with tightly butted joints against the side of the prepared excavation, held in position by the reinforcement cage, formwork, bracing with spreader plates or Cellcore panels where appropriate.
- External support may be provided by the face of the excavation except in flinty or boulder clay, where sharp projections may cause damage and/or where the excavation sides do not provide adequate support.

INSTALLATION GUIDE



- To ensure that the sheets are in the correct position and to prevent damage, they should be supported on both sides prior to concreting.

Concrete Placement:

- Prior to placement of concrete, all Heaveguard sheets should be adequately restrained to prevent uplift until the concrete has cured sufficiently.
- The appropriate number and type of spacers should be used to ensure that the correct depth of concrete cover to the reinforcement is achieved. The quantity and type of spacers must ensure that the load transmitted to the product does not exceed 15 kN/m², therefore preventing penetration into the board. Further guidance on the use of reinforcement spacers can be found in the relevant Cordek data sheets and in BS 7973-1 (2001).
- Following placement of concrete, care should be taken during the striking of any formwork to avoid damaging the Heaveguard sheets. Any void left remaining between the sheets and the sides of the excavation should be backfilled with a suitable granular material.

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.