

CE



installation guidelines

# LOTTRAK<sup>®</sup>

GEOTEXTILES



# installation guidelines



Where possible it is preferable to lay any geotextile fabric directly on to undisturbed vegetation as natural growth retains significant strength within the root structure, which will only provide further improvement when working over weak sub-grades.

In preparation for installing the geotextile, clear the area of any large objects such as shrubs, logs or large angular stones, as these would immediately damage the geotextile when rolled out. Similarly, any holes or significant unevenness existing in the ground should be filled in with a suitable compactable material and levelled prior to laying the geotextile. If a significant size hole is present, it may be appropriate to line with geotextile prior to placing in compactable material for additional separation. It is also considered good engineering practice to proof roll the area prior to applying the geotextile, using a small vibrating compactor if possible.

At this point it is worth considering using a heavy-duty weed-killer to prevent further growth and penetration of weeds into the finished construction. Specialist assistance would be required if Japanese knotweed is present in the construction area.

Depending on the intended construction project, a form of drainage system may be required prior to laying the geotextile, especially if the ground has poor drainage characteristics.

Once the area has been rolled or levelled, roll out the geotextile fabric over the ground, keeping it taut enough to minimise wrinkles, but allowing it to adopt the shape of any contours. The fabric can be held in position with small deposits of granular material until such time as total cover placement takes place.

When rolling out the geotextile side on to adjacent rolls of fabric they should be overlapped by a minimum of 300mm over firm flat formation. Some Lotrak grades will have an overlap indicator mark at 300mm from the fabric edge to assist installation. If the ground is very soft the overlap may vary and could increase up to as much as 1m. For further assistance, please call Lotrak technical helpline.



Overlaps on length of fabric should be a minimum of 600mm, but again this can vary over very soft ground.

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The choice of suitable geotextile is determined by a number of factors. The first is generally the softness of existing ground being constructed upon and secondly, the maximum stone size that will be placed on the material in the capping or fill layer.

The geotextile should be selected to withstand initial forces created by these factors and to remove any possibility of causing damage to the material during installation. For further assistance in geotextile selection, please call Lotrak technical helpline.

Should the geotextile fabric be damaged during installation, an immediate repair should be administered. This can be easily achieved by clearing the area in question and placing a further layer of geotextile over the damaged area, ensuring that there is a minimum overlap of 1000mm between the edge of the damage and the overlapping patch.



On no account should any machine traffic drive directly on top of the geotextile. The granular fill material should be end tipped on to fill already placed at one end of the project. This should then be blade levelled across the total area to the required thickness by a tracked machine continually working on top of the tipped material. It is recommended that a 150mm thickness of fill be placed prior to any compaction/trafficking.

Lotrak woven geotextiles can be easily cut on site, if required, using a sharp blade. If the full width of a roll requires to be cut, then this can be achieved using a circular stone cutting saw. Lotrak can also be delivered to site in smaller roll widths if necessary.

Please after unpacking any roll, dispose of all polythene protective packaging in an environmentally friendly manner.

## storage

Rolls of Lotrak geotextile delivered to site may be stored outside in a stockpile until ready for use. Protective packaging should not be removed until the fabric requires to be installed, and the geotextile should be covered within 1 month of installation.

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