

Installation Guidelines

Bontec® Geotextiles

The following information is offered in good faith to assist end users with the installation of Bontec geotextiles. As installation damage is one of the key factors that affects the integrity of the installed product it is recommended that the following guidelines be adhered to as closely as possible.

Storage advice

The product should be stacked safely in a secure location until ready for use. The protective packing should not be removed until the product is required for use. For goods delivered with no outer packing, a sacrificial layer of product should be removed and disposed of. Should the product then be left uncovered, the temporary exposure shall not exceed 2 weeks.

Subgrade preparation

It is possible to lay the geotextile on undisturbed vegetation e.g. grasses and reeds should levels so permit. Any plant vegetation such as bushes or shrubs, as well as large rocks or other similar obstacles must first be removed. All voids, wheel ruts or other deep depressions require to be either filled or leveled out to provide a smooth surface.

Product installation

The geotextile should be rolled out and allowed to follow the contours of the land. It should be kept as taut as possible in an effort to minimize folds, but not be stretched, so that it spans over any hollows. Small deposits of fill material may be required across the geotextile surface to hold it in place until full placement commences. **NO** vehicle should traffic directly on the geotextile surface at any time.

Product continuity

The simplest and quickest method of ensuring product continuity is to overlap adjacent layers. Rolls placed side by side should have a minimum overlap of 300 mm whilst on length they should have a minimum overlap of 600 mm. Over soft or uneven soils these overlaps may require to be increased. Please contact our office for further advice. Should special circumstances identify a need for a mechanical joint, then further details may be obtained from our office.

Cutting to length

The product may be cut to length using either a sharp blade or scissors.

Cutting to width

Should the geotextile width have to be reduced, then the product may be cut down whilst still in a roll format. Nonwoven products may be cut with a hand or power saw whilst woven products may be cut using a circular stone cutting saw. This latter method will to a small degree fuse the roll end, making the product slightly more difficult to unroll.

Placement of the cover fill

Fill material should be end tipped at either the edge of the geotextile or on top of already placed fill before being spread to the required depth using a tracked machine. A minimum fill layer thickness over the geotextile of 150 mm is recommended prior to any trafficking or compaction.

Fill restrictions

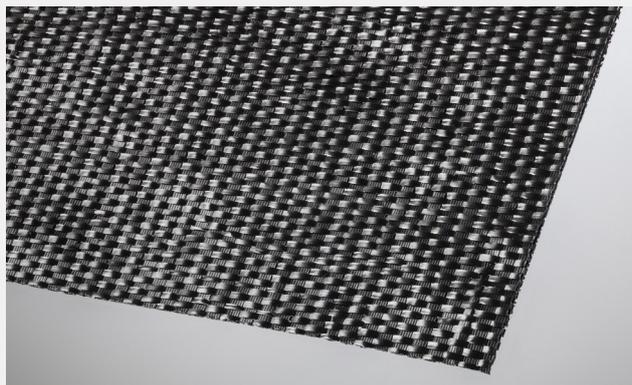
The choice of fill placed directly on the geotextile's surface can greatly affect the amount of damage caused to it during installation. A simple piece of guidance to help minimize this damage is to use a maximum stone size no greater than half the fill layer thickness, e.g. if fill is being placed and compacted in 150 mm layers, then the maximum stone size should be no greater than 75 mm. This prevents any stone in direct contact with the compactor at the surface also coming into contact with the geotextile. Another option is to place a 50 mm thick sacrificial sand blanket on the geotextile prior to main fill placement.

Installation damage

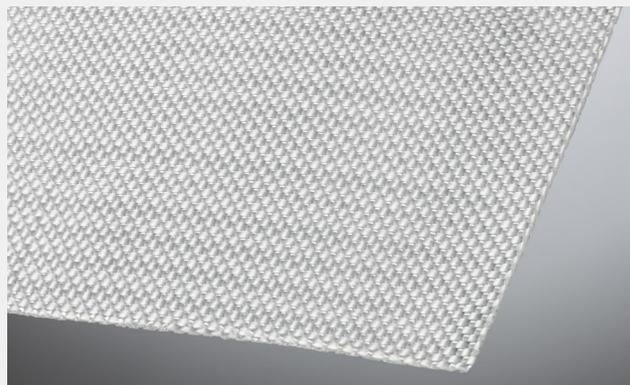
Should the geotextile be damaged during fill placement then the surrounding fill material should be removed and a second geotextile layer placed over the damaged area. A minimum overlap of 1500 mm should be provided between the edge of the damaged area and the outside edge of the patch. Fill placement should then continue as before.

Disposal of waste product

A small quantity of waste is generated with each product roll of geotextile product used. This can include packing, a plastic or cardboard roll centre and possibly product offcuts. We would ask that please give consideration to the environment when disposing of this material.



Bontec® SG



Bontec® HS



Bontec® NW



Bontec® SNW