

## GEOMAT DM20

### Storage, Handling and Installation Guide

#### *Storage*

- Store on level ground and stack no more than 2 high.
- It is advisable to cover rolls when stored in the open for long periods (> 2 months).
- Protect from direct sunlight in hot weather to prevent adhesion between the roll layers.

#### *Handling*

- Roll sizes and weights are given in product detail sheets.
- Rolls may be off-loaded and distributed with the excavator-mounted installation frame or using a telehandler.
- Care should be taken to avoid tearing the outside layer of geotextile.

#### *Installation*

- Slope should be geotechnically stable & excavated to a regular profile.
- Trenches should be provided at the toe and edges, and at the crest if required. Trenches are typically 0.3-0.5 deep.
- Over poor quality ground a minimum of 75mm topsoil is recommended underneath the Geomat.
- When using standard grade Geomat, seed is placed over the ground/topsoil prior to placing the rolls.
- When using fine grade Geomat above the waterline, seed is placed on top of the placed rolls and topsoil may be brushed into the surface to encourage growth. Below the waterline, the Geomat is usually left to allow vegetation to establish naturally.
- To allow the rolls to flex when un-rolled, the minimum temperature should be 5°C. In cold weather the rolls should be un-rolled slowly to avoid excessive cracking of the asphalt filling. (some cracking, particularly in the centre of the roll (smaller diameter) may be apparent – this will not affect the long-term performance of the matting)
- Geomat is typically unrolled from the toe to the crest, and the roll is kept taught to ensure good contact between the Geomat and the ground.
- The Geomat is cut to the required length using a standard cut-off saw with a universal/stone disc.
- The edges of the Geomat should be pinned with steel 'J' pins every 2m (max), then the trenches back-filled. The 'J' pins are typically 8mm diameter and 500mm long, although the length may be more in particularly soft ground.
- Overlaps between rolls should be a minimum of 300mm and pinned every 1m (max) perpendicular to water flow, and pinned every 2m (max) in direction parallel to flow. Intermediate pinning may be used in areas of severe loading or where vegetation is likely to take a long time to establish. (1 pin every 3-5m<sup>2</sup>)
- If any areas are damaged or filling is missing, patches of Geomat may be placed over the damaged areas, and pinned sufficiently.

For further information please contact:

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