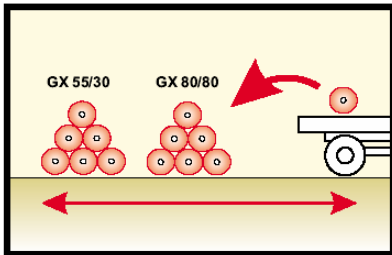
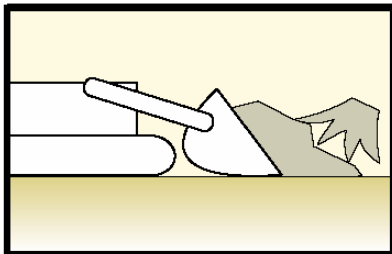


Installation Guidelines for TC Miragrid GX



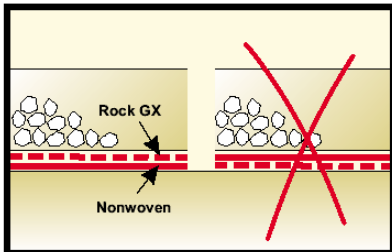
1. Unloading & storage

To avoid damage to the rolls, prepare a suitable storage area of sufficient size to allow for unloading, storage, and handling. Different grades or roll size dimensions shall be stored separately. When stored for more than 2 weeks, TC Miragrid GX rolls shall be covered completely to protect them from direct sunlight.



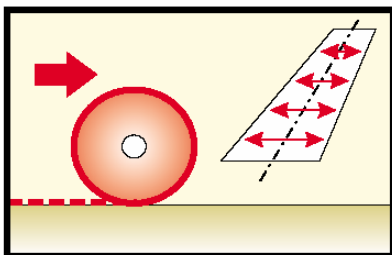
2. Subgrade preparation

Level, smooth, and compact the subgrade before rolling out TC Miragrid GX. Any trees and shrubs and unsuitable materials, which might damage TC Miragrid GX must be removed.



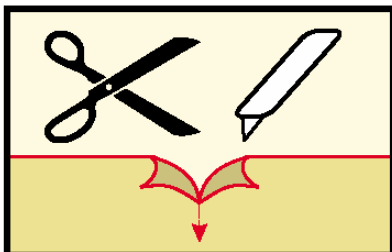
3. Combination with nonwovens

Where Miragrid GX is used together with a nonwoven, lay the nonwoven first (i.e. underneath the geogrid, in contact with the fine-grained material). Miragrid GX must be in direct contact with the coarser fill material!



4. Unrolling

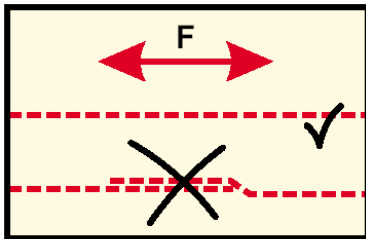
Unroll TC Miragrid GX onto the prepared subgrade in accordance with any design documents. In general, the longitudinal direction of TC Miragrid GX shall be perpendicular to the longitudinal axis of the embankment. The geogrid must lie flat without slack, folds or similar unevenness. The time span where TC Miragrid GX is exposed unprotected shall be limited to a maximum of 30 days.



5. Cutting

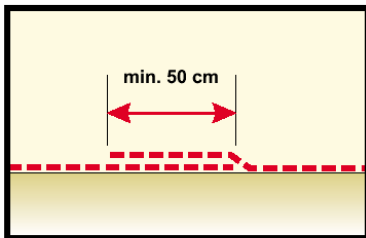
Cut the product to size using a sharp knife or a pair of scissors.

Installation Guidelines for TC Miragrid GX



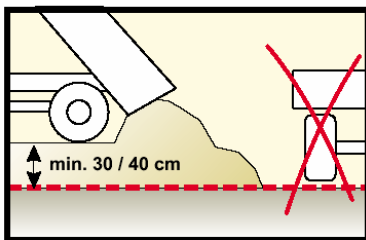
6. Orientation of geogrid

In the direction of principal stress, lay TC Miragrid GX in one continuous panel without joints. If joints in the direction of principal stress are unavoidable, the design must specify an appropriate joining method.



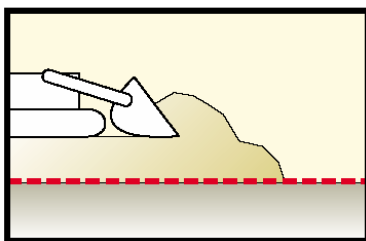
7. Overlapping

TC Miragrid GX can be joined by overlapping. The size of the overlap should be specified in the design. We recommend a minimum overlap of 0,5 m between adjacent panels, and 2 m at the ends of the rolls (in accordance with prEN 14 475).



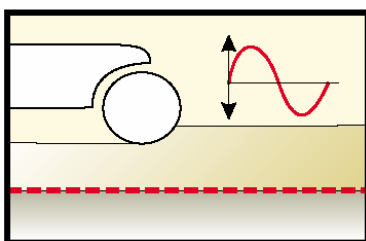
8. Placing of fill material

Direct driving on TC Miragrid GX with any kind of vehicle is not allowed. Place fill by back dumping from trucks running on previously compacted fill areas. The fill thickness should be specified in the design. If not otherwise indicated, a minimum thickness of 40 cm (30 cm after compaction) shall be respected. Fill material with a pH-value > 9 must not come into direct contact with TC Miragrid GX.



9. Spreading of fill

Spread fill using a bulldozer or similar tracked vehicle.



10. Compaction of fill

Select a method of compaction (static, dynamic) appropriate to the subgrade and the type and thickness of fill material.