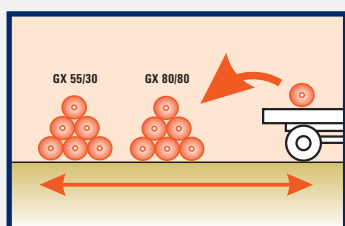


Miragrid GX - Geogitter Installation Guidelines



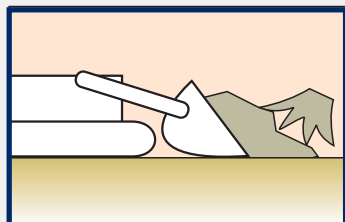
TenCate Miragrid GX

Installation Guidelines for TenCate Miragrid GX Geogrids for Sub-base Stabilisation



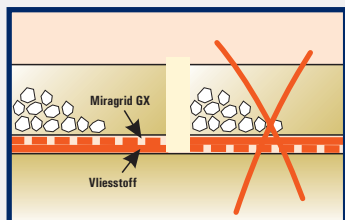
1. Unloading & storage

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, Miragrid GX rolls shall be covered completely to protect them from direct sunlight.



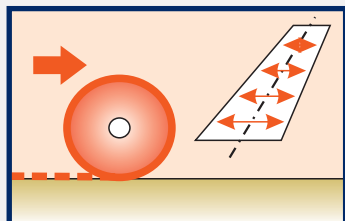
2. Subgrade preparation

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



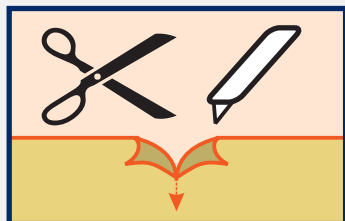
3. Combination with nonwovens

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

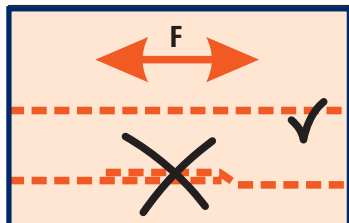
Unroll Miragrid GX onto the prepared subgrade in accordance with any design documents. In general, the longitudinal direction of Miragrid GX shall be perpendicular to the longitudinal axis of the embankment.
The grid must lie flat without slack, folds or similar unevenness. The time-span where Miragrid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



5. Cutting

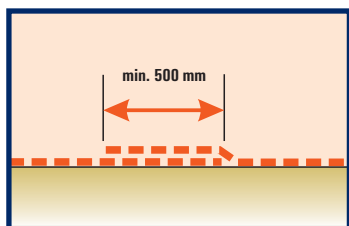
Cut the product to size using a sharp knife or a pair of scissors.

Miragrid GX - Installation Guidelines



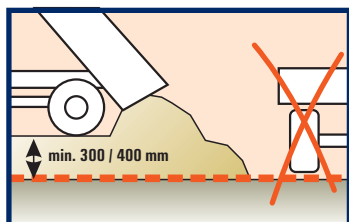
6. Orientation of grid

In the direction of principal stress, lay 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.



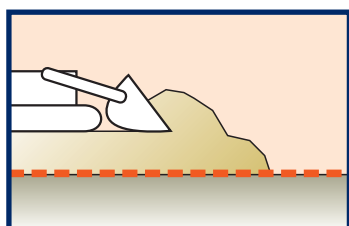
7. Overlapping

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



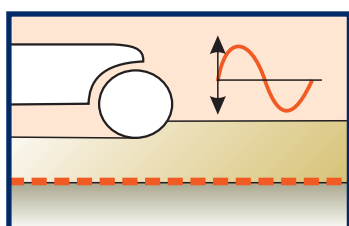
8. Placing of fill material

Direct driving on 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 400 mm (300 mm after compaction) shall be respected. Fill material with a pH-value > 9 must not come into direct contact with 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.

The information given in this brochure is to the best of our knowledge true and correct, however new research results and practical experience can make revisions necessary. No guarantee or liability can be drawn from the information mentioned herein. Furthermore, it is not our intention to violate any patents or licences.

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