



INSTALLATION GUIDELINE

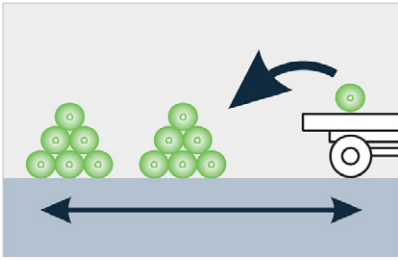
# MIRAGRID GX



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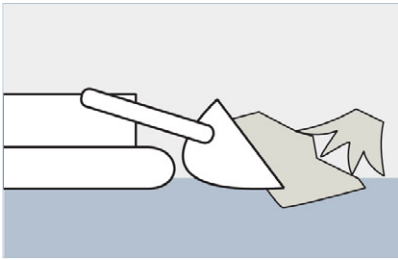
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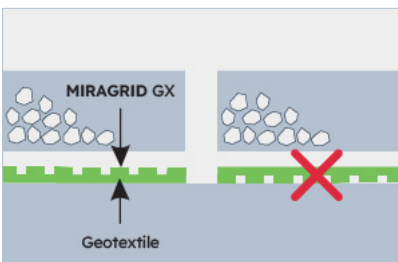
## 1. UNLOADING AND STORAGE

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



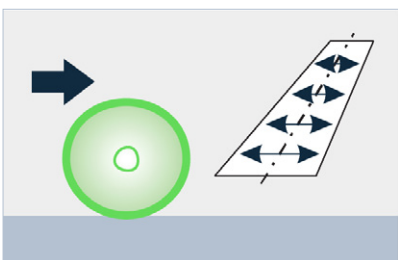
## 2. SUBGRADE PREPARATION

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



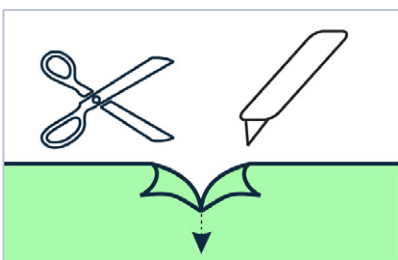
## 3. COMBINATION WITH NONWOVENS

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.



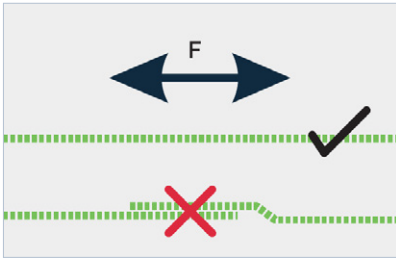
## 4. UNROLLING

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 geotextile must lie flat without slack, folds or similar unevenness. The time span where **MIRAGRID** GX is exposed unprotected shall be limited to a minimum.



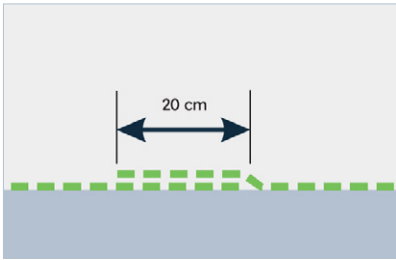
## 5. CUTTING

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



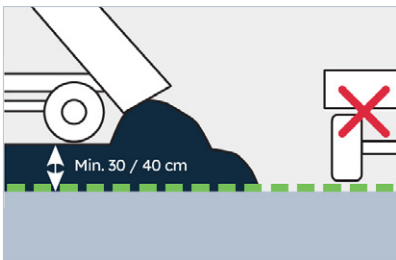
## 6. ORIENTATING OF GEOGRID

Reinforcement shall be placed as perpendicular as possible to the sloped face unless specified otherwise in the design.



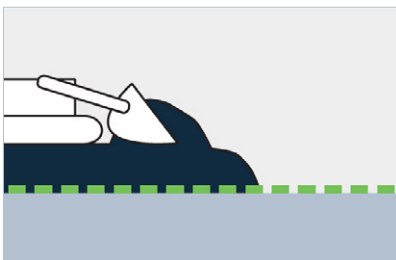
## 7. OVERLAPPING

**MIRAGRID GX** can be joined by overlapping or sewing. The size of the overlap should be specified in the design. A transverse overlap, typically 200 mm, may be needed at the junction of adjacent panels, if not specified. If the ground is very soft, the overlap may be increased to avoid unreinforced areas. The overlap along the direction of principal stress is either forbidden or specified in the design.



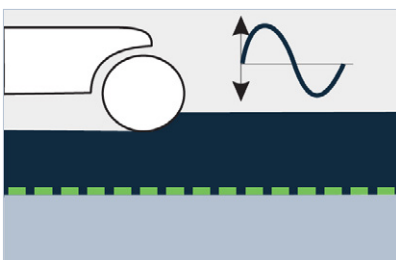
## 8. PLACING OF FILL MATERIAL

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 40 cm (30 cm after compaction) shall be respected.



## 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.

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The company was founded in 1981, and has grown through the acquisition of GSE, TenCate Geosynthetics and Propex. It is now the largest geosynthetics company in the world, empowered by more than 2,000 talented people. Solmax is headquartered in the province of Quebec, Canada, with subsidiaries and operations across the globe.

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Our products are manufactured to strict international quality standards. All our products are tested and verified at our dedicated and comprehensive laboratories which maintain numerous accreditations. We offer our partners a wide scope of testing according to published standards to ensure products delivered to sites meet specified quality requirements.

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