

# APPLICATIONS SLOVARM

Geogrid **SLOVARM** requires a correct usage and respect of basic procedures, so that there is no damage, or destruction of it before it begins to do its job on a construction site.

## STORAGE AND HANDLING

- the rolls of the geogrid are stored in a dry, clean and on an even surface,
- they should not be more than five rolls high,
- the rolls should not be stored in crisscross fashion,
- the package is open only before its immediate use.

All networks (gas, sewer, water etc.) must be constructed and finished before the geogrid is laid, so that there would be no damage to the layers.

## SURFACE PREPARATION

The slope must be prepared into the required shape, the top layer must be cleaned from all vegetation, roots and items, which could conceivably damage the textile material (i.e. sharp stones, branches, etc.). All depressions in the surface must be filled in; the surface should also be partially compacted in spots by fill. On top of the hill and the bottom, prepare anchoring ditch approx 300 x 300mm.

## SEEDING THE SLOPE

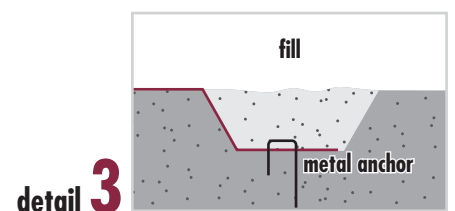
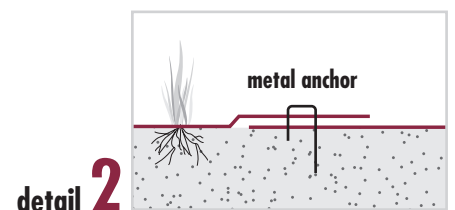
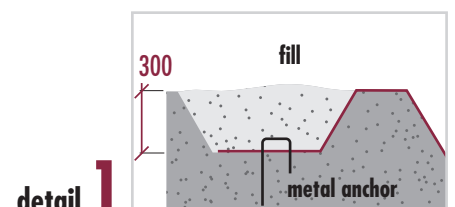
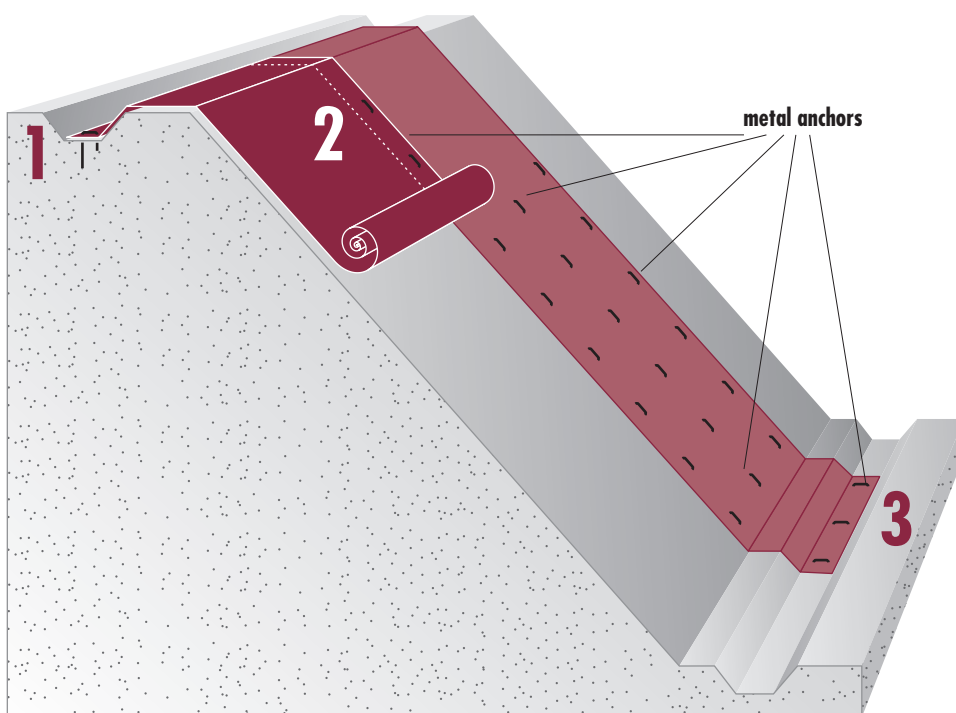
Seeding can be done even after installation of the geotextile. If seeding is by hydro-seeding, seed with mixture of water and suitable seeds of approximately 30g/m<sup>2</sup>. It is also recommended to plant seedlings of rapidly growing plants, or supplement planting with perennials, to get humus fast (red poppies). Well planned hydro-planting makes it possible to achieve quality surface vegetation, without expensive adaptations.

## LAYING DOWN AND SPREADING

- Before starting the actual work, there has to be a prior plan to install the geogrid.
- The geogrid may be laid directly to an even and cleaned natural surface in parallel, or perpendicular fashion vis-à-vis the road, fill, sides, etc.
- The starting part of the geotextile must be placed in the anchoring ditch and must be anchored along the edges and in the middle by steel anchors and then gradually unwrapped. In careful unwrapping the textile, anchor the edge approximately every 1,5-2m and attach an anchor at approximately every 3-4 m<sup>2</sup> of the textile. In areas with bad weather conditions, we recommend to anchor the grid to the ground approximately every 1-2 m<sup>2</sup>.
- There is a need to exclude excessive concentration of surface water, which would prevent the seeds from taking root.
- During installation, it is necessary to take into consideration the size of the overlap: 300mm in "dry" conditions, 500mm in "wet" conditions.
- Overlap is always done in "the direction of" laying, i.e. top layer goes over the bottom one. Anchor the overlap approximately 1,5-2m.
- In case of surfaces, which does not require connecting each layer of the geogrid, the material is laid so that the entire surface is covered.
- The edge of the last layer must be secured by burying it in the anchoring ditch.

After hydro-seeding, the surface may be carefully rolled by hand roller.

## INSTALLATION OF THE GEOGRID SLOVARM IN SLOPE REINFORCING



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