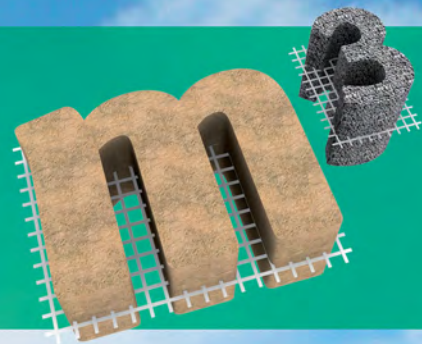
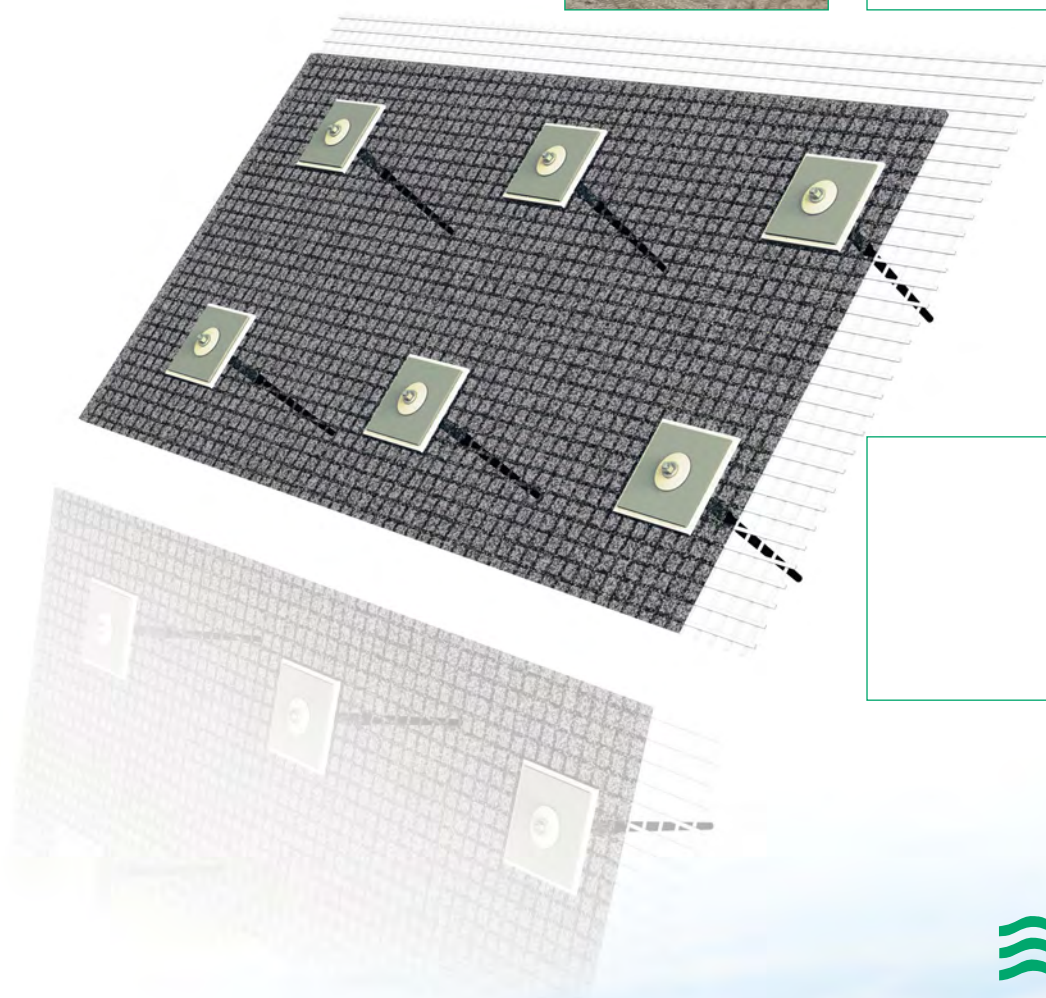


NAUE m³

SECUGRID® REINFORCED
SLOPE AND RETAINING
WALL SYSTEMS



NAUE NAIL



NAUE NAIL DESCRIPTION

The NAUE NAIL system combines the strength and durability of Secugrid® geogrids with soil nails to create a steep slope reinforcement system at slope inclinations up to 60°. Secugrid®, with its uniform, flat bar construction and outstanding junction strength, provides the primary reinforcement in the down slope direction. The designed soil nails are spaced uniformly across the installed Secugrid® reinforcement, which covers the slope surface. Additionally, the Secumat® erosion control mat is placed over the Secugrid® soil reinforcement before the soil nails are secured. The topsoil-filled Secumat® promotes the establishment of vegetation for green slopes. Vegetation can be established quickly and effectively with hydroseeding, where needed or preferred.

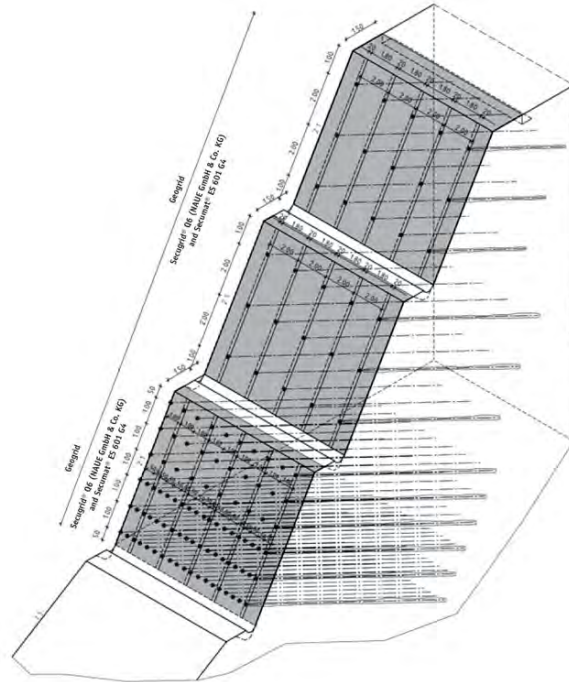


The NAUE NAIL system can provide temporary or permanent steep slope reinforcement. It is characterized by a high degree of flexibility, allowing for significant adaptation to project-specific requirements, site layouts and conditions while still providing a high-strength yet economical slope-reinforcement solution with natural, long-term vegetation cover.

Secugrid® soil reinforcement geogrids are designed to accommodate various site conditions and available soil materials, including the ability to meet the challenges of a wide-range of native soil conditions - thus reducing the need for special, costly fill.

Applications:

- As an alternative to temporary building pit support system



- Over soft or weathered rock areas and limited in hard rock areas

System Components:

- Secugrid® PET soil reinforcement
- Soil nails
- Secumat® erosion control mat
- Fasteners
- Hydroseeding

NAUE Secugrid® Geogrids

Secugrid® geogrids are produced with a new dimension of manufacturing technology. The reinforcement element is a highly-oriented flat bar that is uniformly extruded and drawn, ensuring a continuous homogeneous molecular structure, to achieve a high modulus and high strength at low elongations. The longitudinal and transverse reinforcement bars

are firmly joined with the NAUE-patented welding technology to provide a structurally sound and stable geogrid for reinforcement applications. Secugrid® is used for base reinforcement, mechanically stabilised earth (MSE) wall construction including veneer stabilisation, the segmental retaining wall (SRW) market, embankment reinforcement, load transfer platforms over pile caps, bridging of sink-holes, construction on soft soils and other soil reinforcement applications.

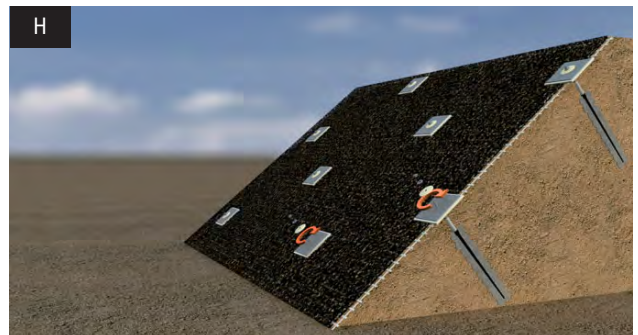
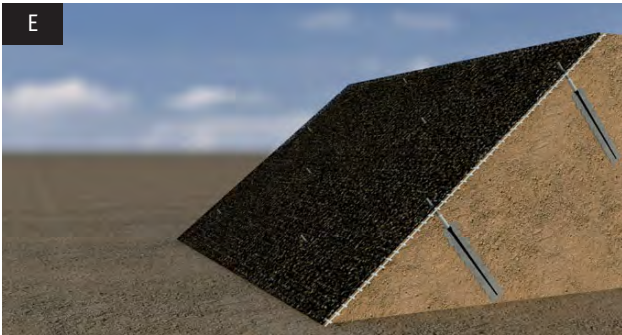
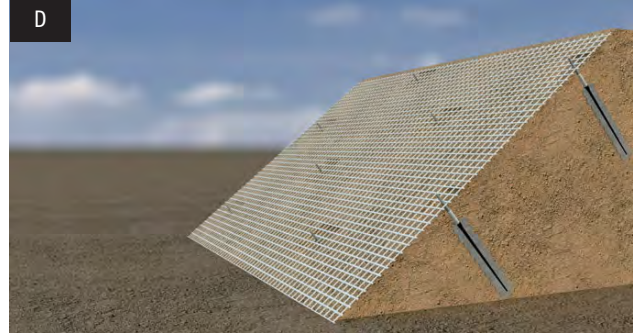
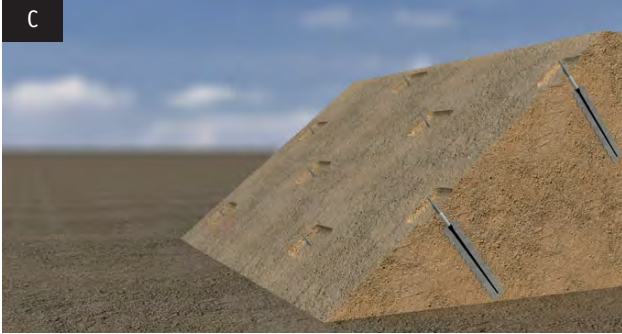
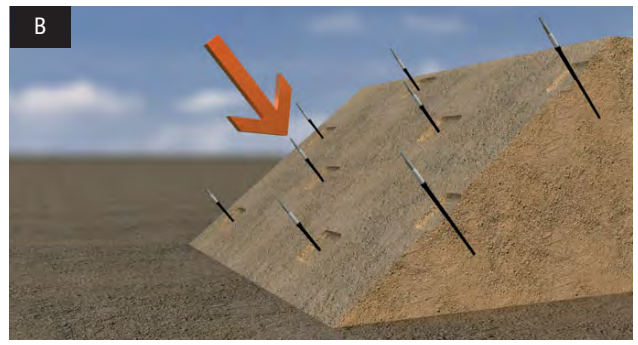




Advantages:

- Inclinations to 60°
- Permanent stability
- Protects against slope failure and slides

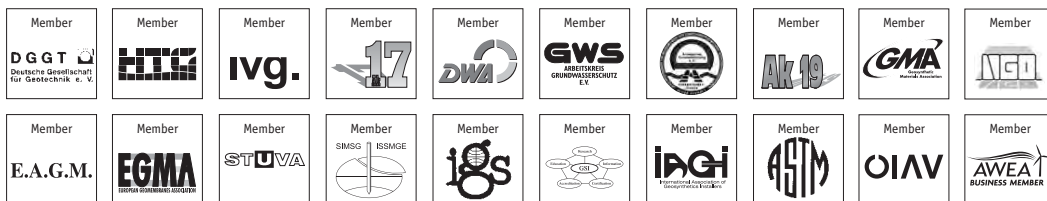
- Direct slope protection without the need of soil removal
- Enables vegetation for greener designs
- Easy and quick to construct without sacrificing safety



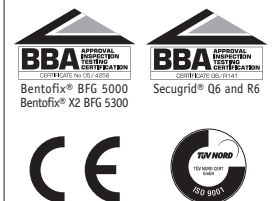
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Approvals for the NAUE Group



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