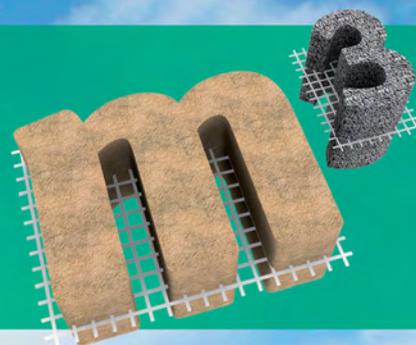
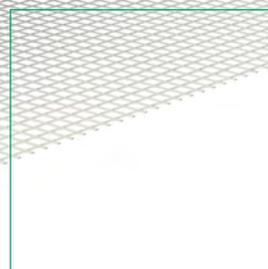
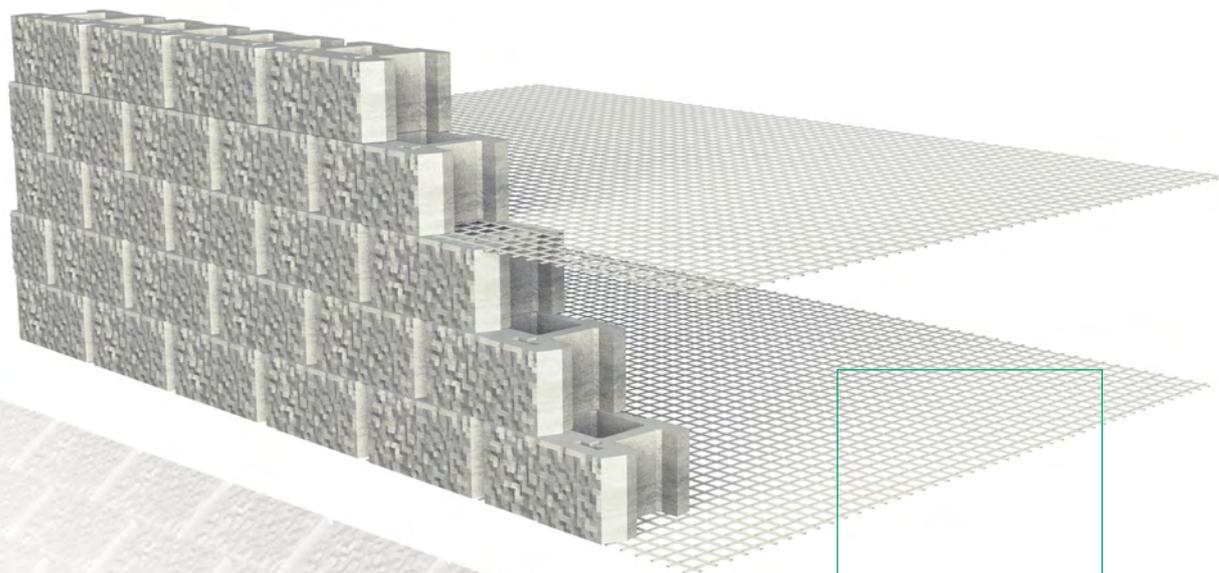
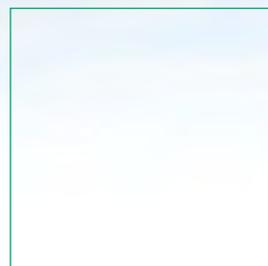


NAUE m³

SECUGRID® REINFORCED
SLOPE AND RETAINING
WALL SYSTEMS

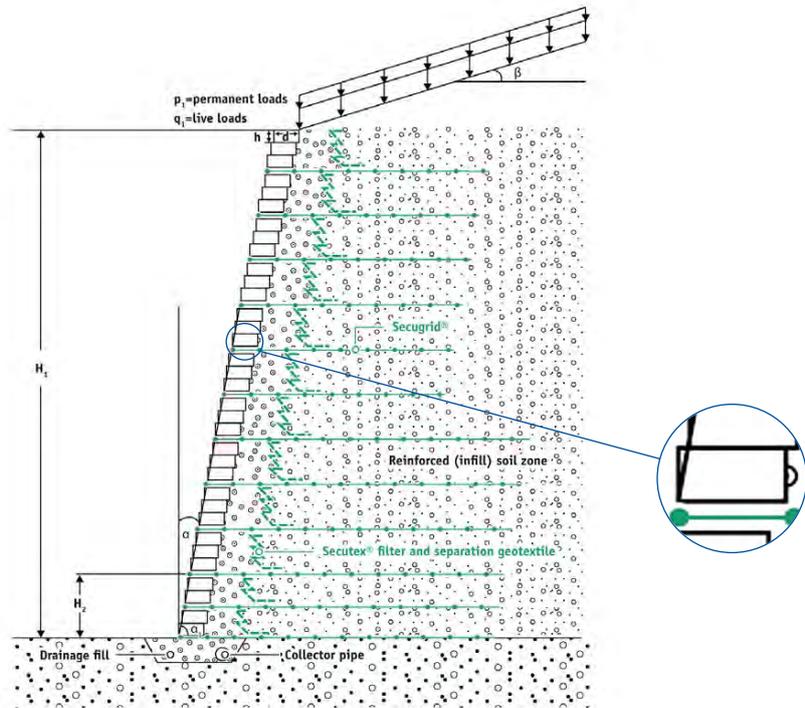


NAUE BLOCK



NAUE BLOCK DESCRIPTION

When slopes are planned with inclinations exceeding 70°, a vegetated face is usually not possible or requires significant and potentially cost-prohibitive work. These situations require stiffer facing systems, which elevates the importance of surface aesthetics to the reinforced structure. NAUE BLOCK is a Secugrid® geogrid system for reinforcing earth structures and walls while incorporating brick, block, precast concrete, natural stone or other facings for design flexibility. Secugrid® geogrids are placed between the facing elements and anchored in the soil for outstanding structural stability. This strength enables NAUE BLOCK to adapt to project-specific requirements, allows numerous wall shapes (including rounded corners), and results in economical, aesthetic solutions. If required a geotextile filtration layer can be installed between the drainage layer and the reinforced infill soil zone. Retaining walls can be built to 90° angles.



Applications:

- Retaining walls of all kinds
- Embankment constructions
- Bridge abutments
- As a replacement for gravity walls
- Road and railway noise barriers

System Components:

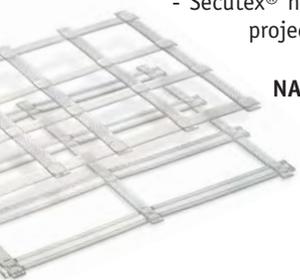
- Primary Secugrid® PET geogrid reinforcement
- Bricks, block, precast concrete, natural stone or dry stone wall facing
- Secutex® nonwoven filter geotextile, project specific

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 sinkholes,

construction on soft soils and other soil reinforcement applications.

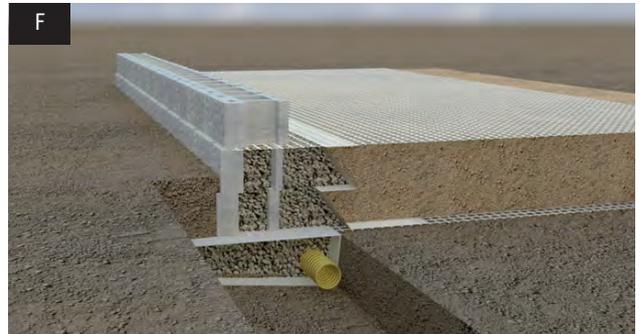
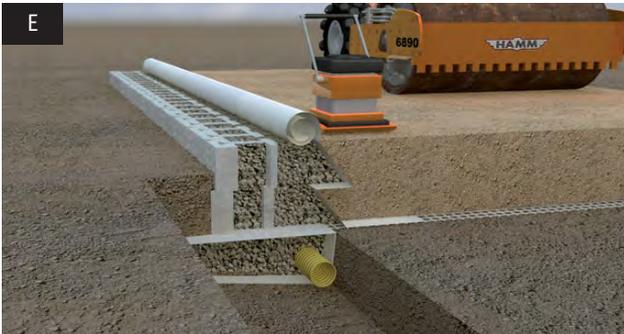
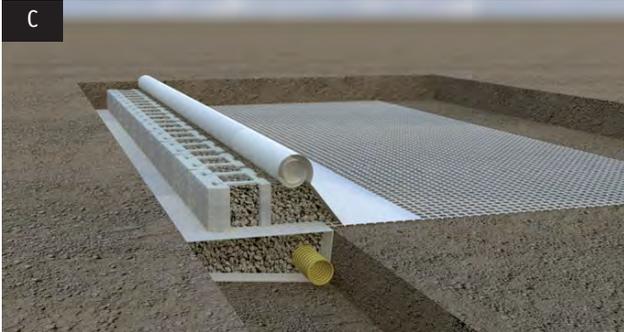
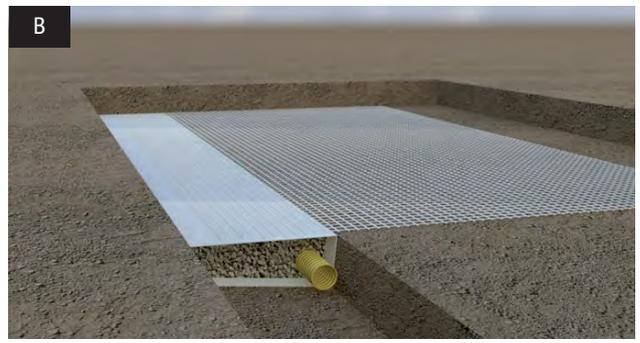
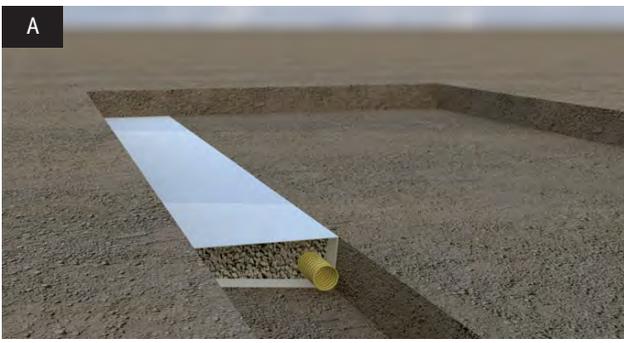




Advantages:

- Quick and easy to construct
- Flexible design of facing
- Site soils (including cohesive soils) can be used, which optimises project economy since more-affordable cohesive soils can be used rather than disposed of or replaced with non-cohesive soils

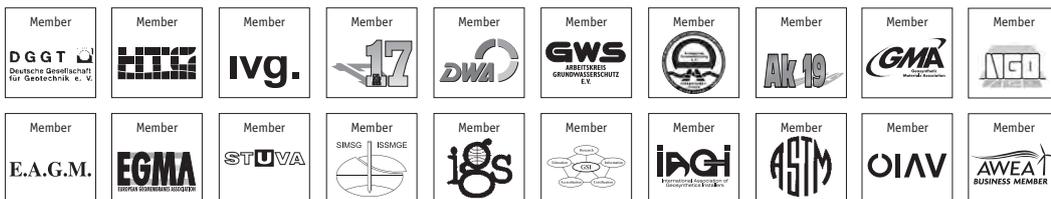
- Secugrid® geogrids can be used with cement- and lime-stabilized soils
- Ecological benefits associated with the use of local soils include decreased transportation pollution (and cost) and conservation of natural resources.



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