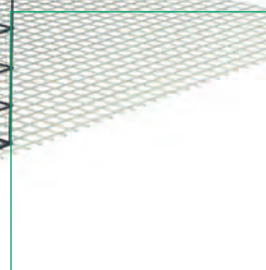
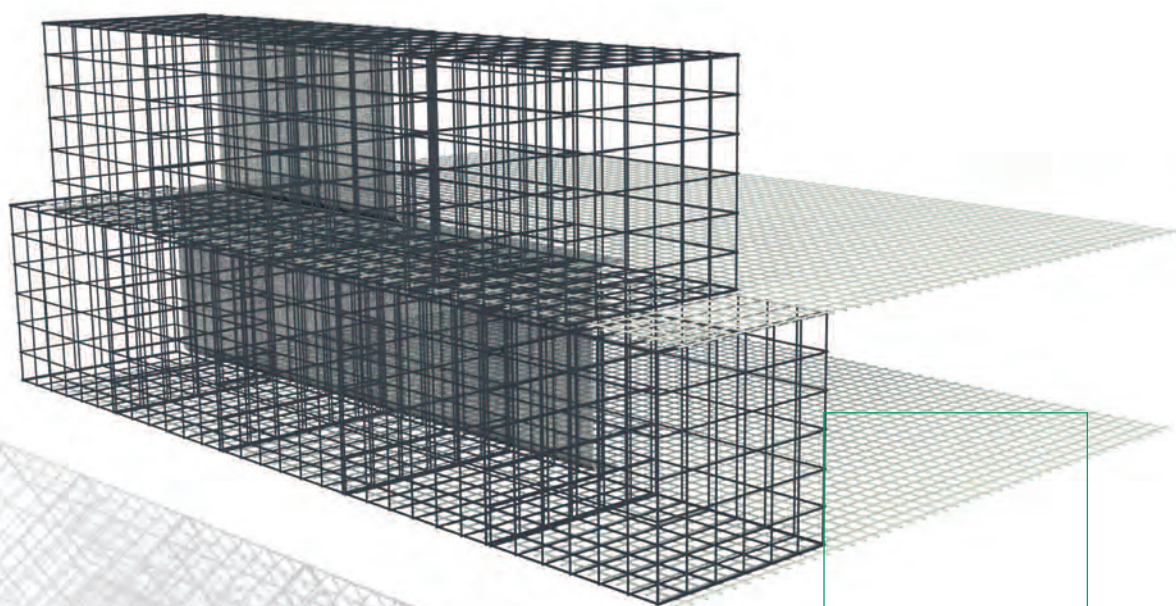
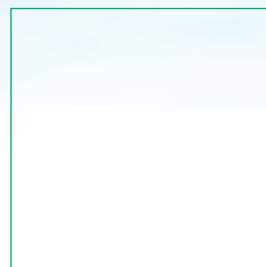


NAUE m³

SECUGRID® REINFORCED
SLOPE AND RETAINING
WALL SYSTEMS

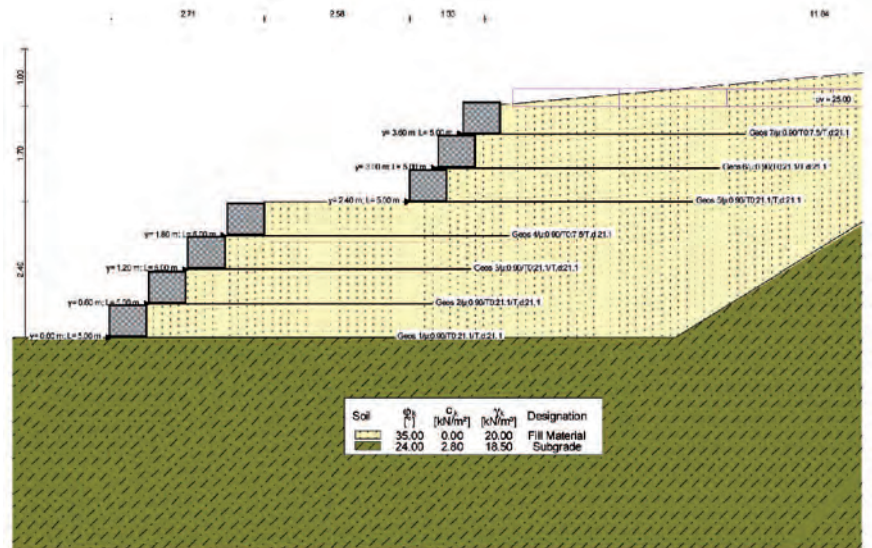


NAUE GABION



NAUE GABION DESCRIPTION

The NAUE GABION system utilises Secugrid® geogrids to create reinforced soil structure with gabion facing. Secugrid® geogrids are installed between the gabion layers and anchored back into the soil. The system is highly flexible for design and installation, adjusting to project-specific soil requirements and geometric shapes. This flexibility maximises project economics and aesthetic options. Depending on site specific requirements, the protection of the backfill soil against erosion can be ensured by the installation of a Secutex® filter geotextile behind the gabion facing. Inclinations up to 90° are possible.



Applications:

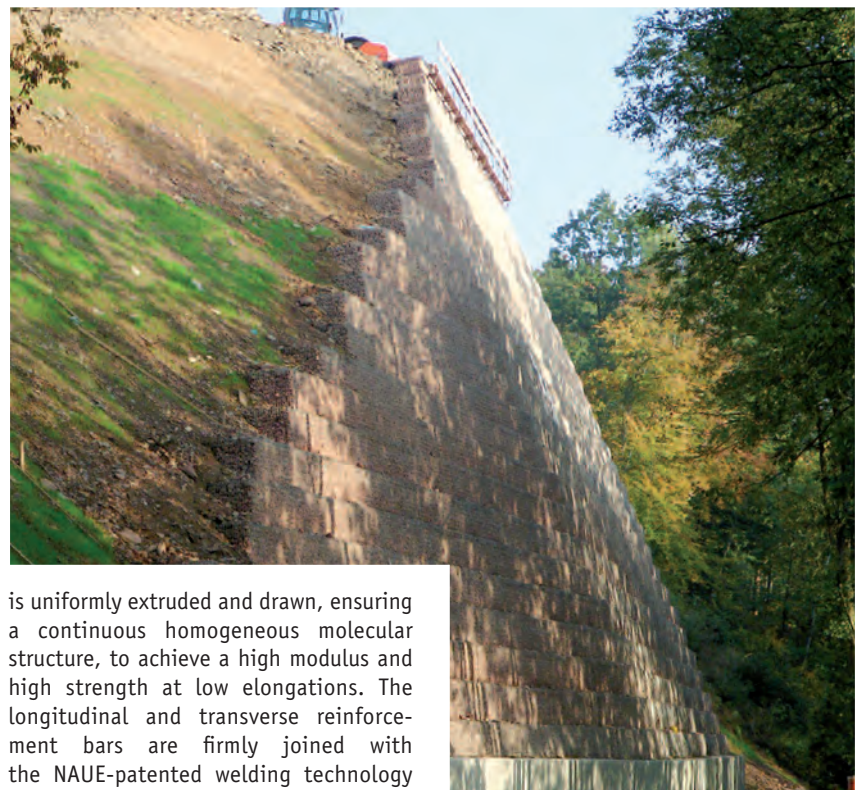
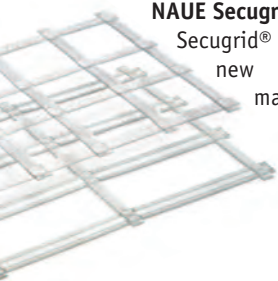
- Retaining walls of all kinds
- Embankment constructions
- Bridge abutments
- As a replacement for concrete gravity walls
- Road and railway noise barriers
- Earth pressure retention systems

System Components:

- Secugrid® PET geogrid reinforcement
- Gabion baskets
- Secutex® nonwoven 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



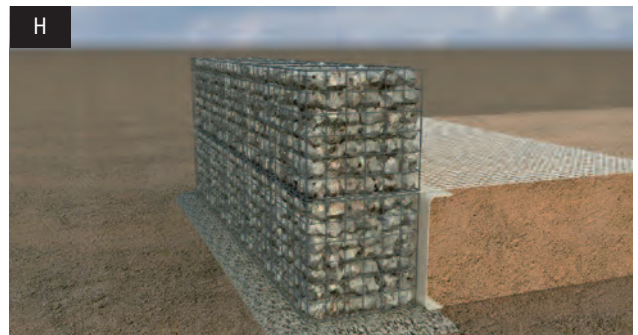
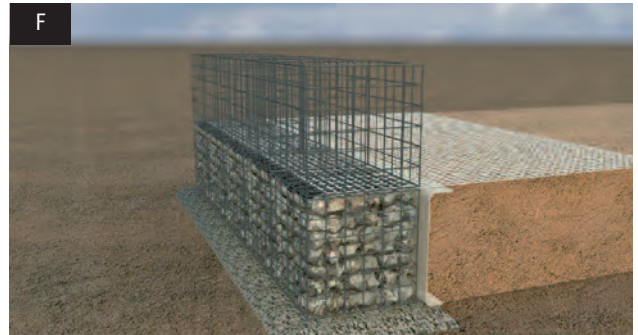
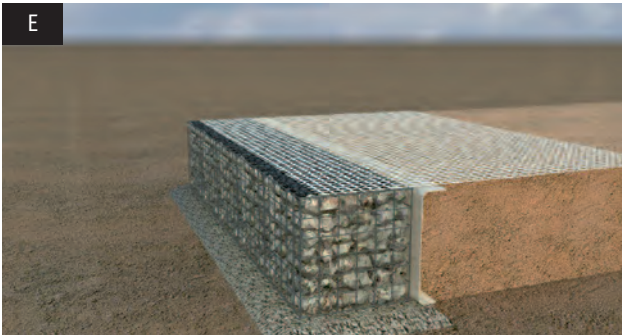
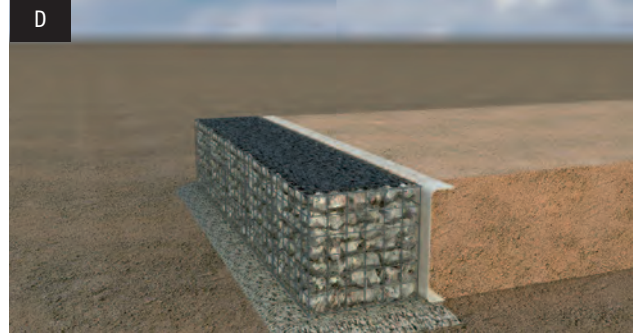
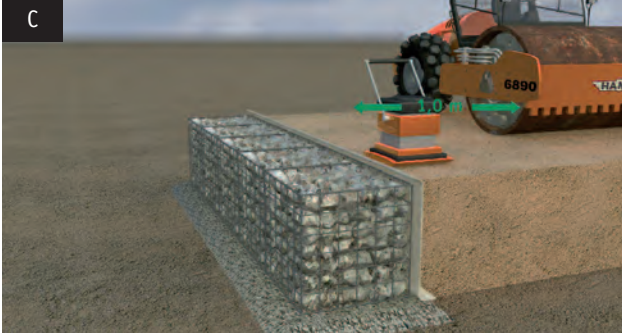
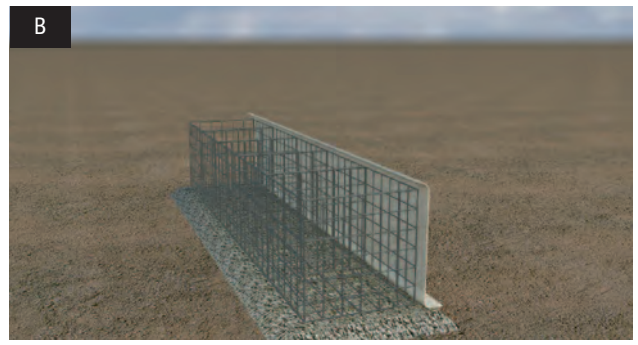
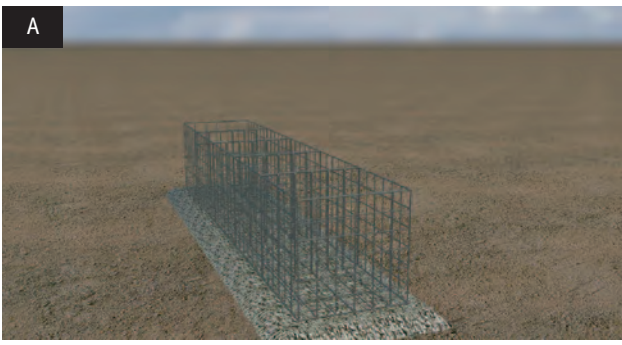
is uniformly extruded and drawn, ensuring a continuous homogeneous molecular structure, to achieve a high modulus and high strength at low elongations. The longitudinal and transverse reinforcement bars are firmly joined with the NAUE-patented welding technology to provide a structurally sound and stable 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:

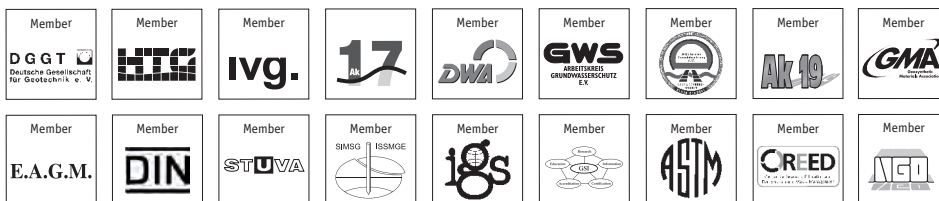
- High load carrying capacity
- Quick and easy to construct
- Flexible exterior designs and configurations
- Gabion walls can be shaped to special corners and layouts (e.g., rounded)
- Less filling material and steel required compared to gabion wall constructed as gravity wall
- In-Situ soils and stones may be used
- Secugrid® geogrids can be used with soils stabilized with cement or lime
- Enables attractive aesthetics through selection of different stone types and sizes
- Aesthetic selections can include historical stone



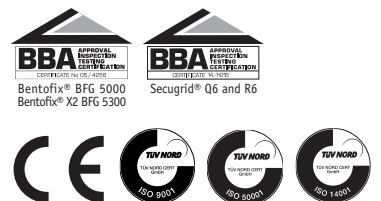
NAUE GmbH & Co. KG
 Gewerbestr. 2
 32339 Espelkamp-Fiestel
 Germany

Phone +49 5743 41-0
 Fax +49 5743 41-240
 info@naue.com
 www.naue.com

Memberships of the NAUE Group



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