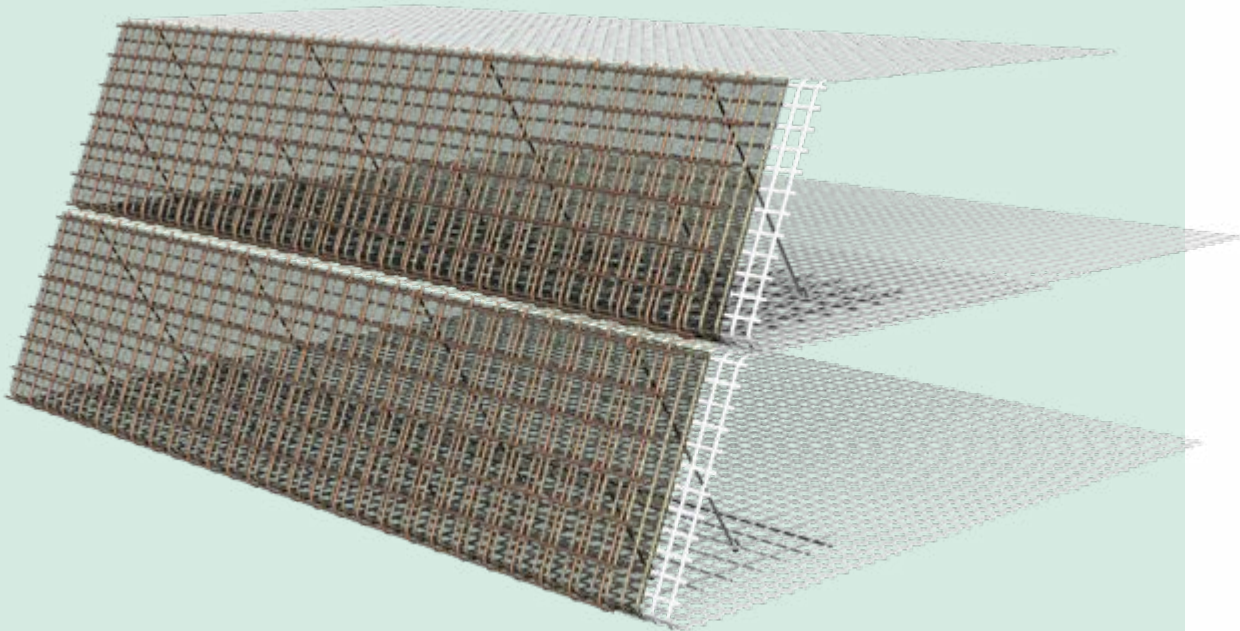


Naue Steel T



 Naue

Secugrid® reinforced slope and retaining wall systems



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Building on sustainable ground.

Naue Steel T utilises the primary reinforcement of Secugrid® geogrids combined with temporary effective steel-mesh facings to create a reinforced earth construction system that can adapt to numerous slope inclinations and shapes while supporting vegetation. Plantings are possible on the face of **Naue Steel T** on slopes up to 70°. For steeper slopes, special vegetation measures and irrigation systems are generally necessary. Secutex® nonwoven geotextiles or Secumat® erosion control mats provide slope face erosion control. The system enables considerable design flexibility, thus allowing adaptation to project-specific requirements and wall shapes while being highly economical, quick to construct, and aesthetically attractive with a natural, green face.

Applications

- Rehabilitation of slope failures and landslides
- Slope stabilisations up to 70°
- Vegetated slopes with gradients between 45° and 70°
- Retaining wall structures up to 90°
- Noise barriers along roads or railways

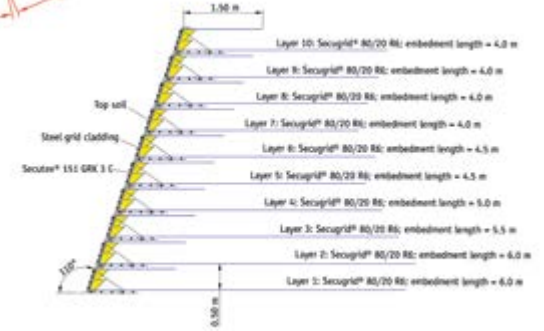
System components

- Secugrid® PET primary geogrid reinforcement
- Secugrid® PET secondary reinforcements, project-specific
- Secumat® erosion control mat and/or Secutex® nonwoven geotextile
- Fasteners
- Hydroseeding
- Non-galvanised steel mesh

Plan view (1:500)



Cross section 16 (1:50)



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

- Permanent stability even up to 90°
- Green solution
- High load-bearing capacity
- Variable spacers allow site-specific slope face adjustment
- Quick and easy construction
- Economical solution as in-situ soils or even marginal fills can be used. No need for soil disposal or haulage of qualified fill
- Secugrid® geogrids can be used in combination with cement- and lime-stabilised soils
- Ecological benefits associated with the use of local soils lead to decreased transport-related pollution (CO₂-emissions) and preserve natural resources

