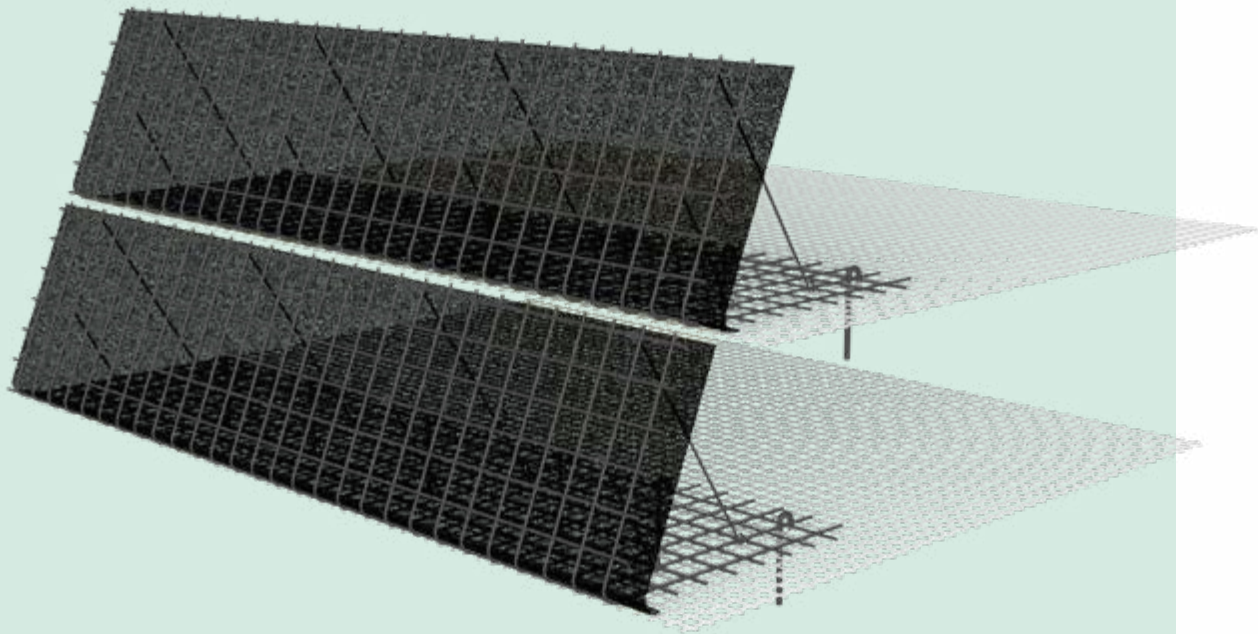


Secugrid® reinforced slope and retaining wall systems



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Building on sustainable ground.

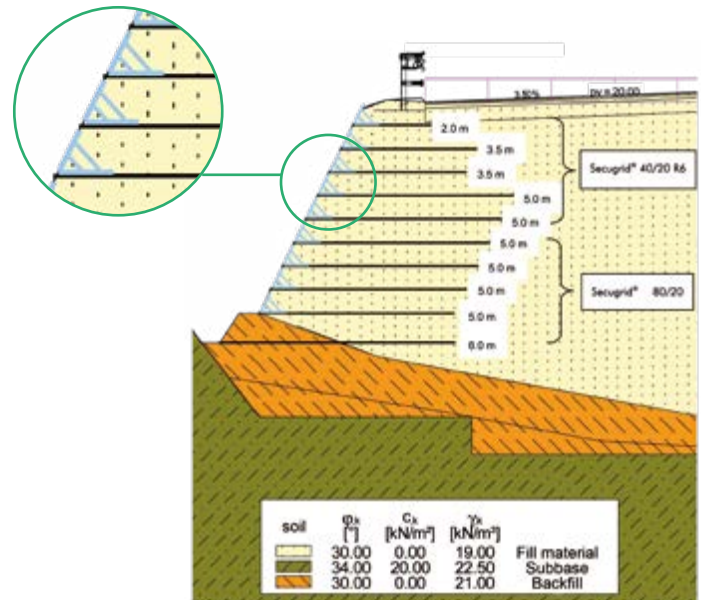
The **Naue Steel P** system combines Secugrid® geogrid reinforcement with long-term (permanent) steel-mesh facings to create reinforced earth structures adaptable to numerous slope shapes. Vegetation is possible on slopes up to 70°. For steeper slopes on which vegetation is desired, special planting and irrigation is necessary. For **Naue Steel P**, the Secugrid® primary reinforcement is connected to the steel facing (e.g., L-shaped wire mesh) by frictional interaction. To prevent soil erosion along the galvanised steel facing, Secutex® nonwoven filter geotextiles or Secumat® erosion control mats are used. The system is highly adaptable to project-specific requirements and geometries, resulting in economical solutions supporting natural vegetation.

Applications

- Rehabilitation of slope failures and landslides
- Slope reinforcement of gradients up to 90°
- Vegetated slopes with gradients between 45° and 70°
- Embankment constructions
- 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
- Galvanised steel mesh



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

