

ENKAGRID[®] G and M

WOVEN GEOGRID FOR SOIL REINFORCEMENT



Enkagrid G and M is a range of certified high performance woven geogrids for soil reinforcement. They are manufactured from high tenacity PET and PVA yarns with a PVC coating. Can be used together with Enkamat and other Enka Solutions products to preserve the natural appearance of slopes.

Enkagrid G and M can be used for a variety of different applications. Typical areas of use include reinforcement of roads, railways and airports, embankments, foundations over poor ground, as well as retaining walls and slopes, noise barriers and landslide repair.

The product is flexible and easy to work with, and will lay flat and not spring back once laid out on the ground. Enkagrid G and M can be used together with other Enka Solutions products to enhance the natural appearance of slopes.

Functions

- Reinforcement
- Stabilization

Application areas

- Roads
- Railways
- Airports
- Piled embankments
- Shopping centres, industrial areas
- Retaining walls and steep slopes
- Landslide repair
- Noise barriers
- Stabilisation of sea, river and reservoir banks
- Landscaping



Features and benefits

- High pull-out resistance
- Low creep values for long term stability
- High tensile strength at lower strain
- Easy installation and handling in all weathers
- High level of microbiological resistance
- High resistance to acids and alkalis in ambient temperatures
- Allows slopes to be increased beyond angle of repose – maximises site space
- Increases bearing capacity of embankments or platforms on weak soils
- Minimises effects of differential settlement
- Reduces the risk of bearing failure
- A green solution – reduced carbon footprint
- Cost-effective compared with traditional methods

Technical details

Enkagrid G and M are woven geogrids made of high tenacity yarns with a PVC coating. The G type is made from polyester (PET) yarns and the M type from polyvinyl alcohol (PVA) yarns.

- Tensile strength range: 20 to 400 kN/m
- Roll width: up to 5.2 m

Low & Bonar offers design support for all applications. Data sheets with full technical details are available. Contact us for further details.

Quality

The Quality Management Systems of Low & Bonar facilities have been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

Product group

ENKAGRID

Leaflets in this group

ENKAGRID PRO
 ENKAGRID MAX
 ENKAGRID TRC
 ENKAGRID G and M
 ENKAGRID PLUS G and M

Disclaimer

All information and product specifications provided in this document are accurate at the time of publication. As the Low & Bonar Group follows a policy of continuous development the provided information and product specifications may change at any time without notice and must not be relied upon unless expressly confirmed by a relevant member of the Low & Bonar Group upon request. No liability is undertaken for results obtained by usage of the products and information.

© Low & Bonar 2014

PL-ENG-EGRGM-06/2016