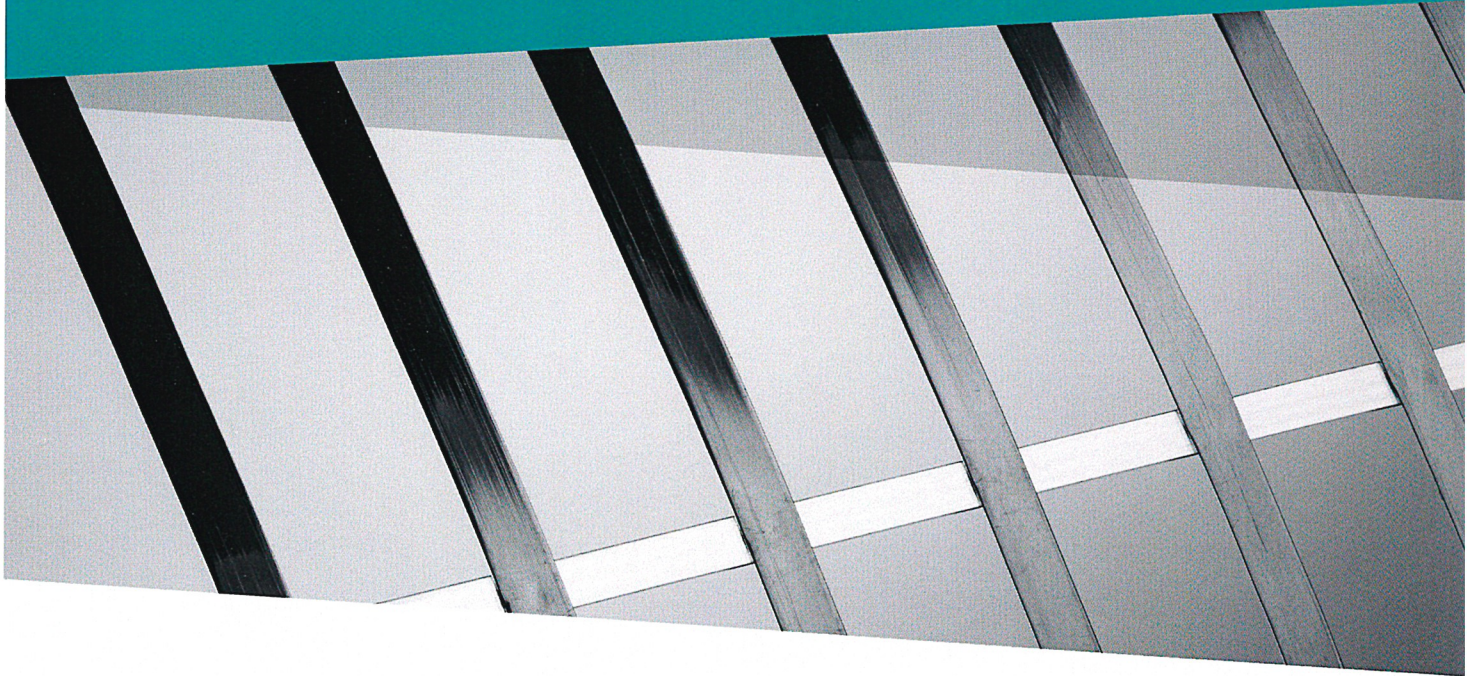


ENKAGRID[®] PRO

UNIAXIAL LASER WELDED GEOGRID
FOR CHALLENGING ENVIRONMENTS



Enkagrid PRO is a uniaxial high strength laser-welded geogrid for the reinforcement of slopes, walls, embankments, platforms and foundations.

The structure of highly oriented laser-welded polyester strips provides powerful and dependable reinforcement in demanding situations in civil engineering or building projects. Thanks to its superior mechanical properties, the long term performance of Enkagrid PRO is outstanding. The engineered structure of Enkagrid employs cutting edge manufacturing concepts such as the patented computer controlled laser-welding process. Using this laser technology, the quality of the junction bonds is precisely controlled during production. This creates consistently rigid joints throughout the geogrid without affecting the polymer orientation or stress strain performance of the extruded strips.

Functions

- Reinforcement of soil structures
- Stabilization of foundations
- Grip layer to prevent stress transfer to membrane

Application areas

Enkagrid PRO is specially designed for more demanding applications.

- Steep slopes
- Retaining walls
- Segmental block walls
- Gabions
- Bridge abutments
- Embankments
- Platforms
- Foundations





Features and benefits

- Maximizes use of available space
- Reduces carbon footprint
- Redistributes shear forces within soil
- Limits differential settlements during consolidation
- Improves internal stability of soil block
- Can in certain cases eliminate the need for piling operations
- High stiffness and low creep properties maximize soil performance
- Excellent durability and long term performance
- Interacts perfectly with all granular soil types
- High resistance to chemical and environmental influences
- Cost effective
- Fast installation with rolls up to 5 m wide
- Ease of handling on site

Technical details

Enkagrid PRO is a uniaxial geogrid of extruded polyester strips available in a number of different tensile strengths for specific applications. The highly oriented strips are laser-welded for powerful reinforcement in demanding applications. Enkagrid PRO is available in 2.45 m and 5 m wide rolls.

Technical data sheets with full details are available on request. Low & Bonar offers full design support for all applications.

Quality

All Enkagrid PRO types are BBA certified. 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.

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PL-ENG-EGRPRO-06/2016