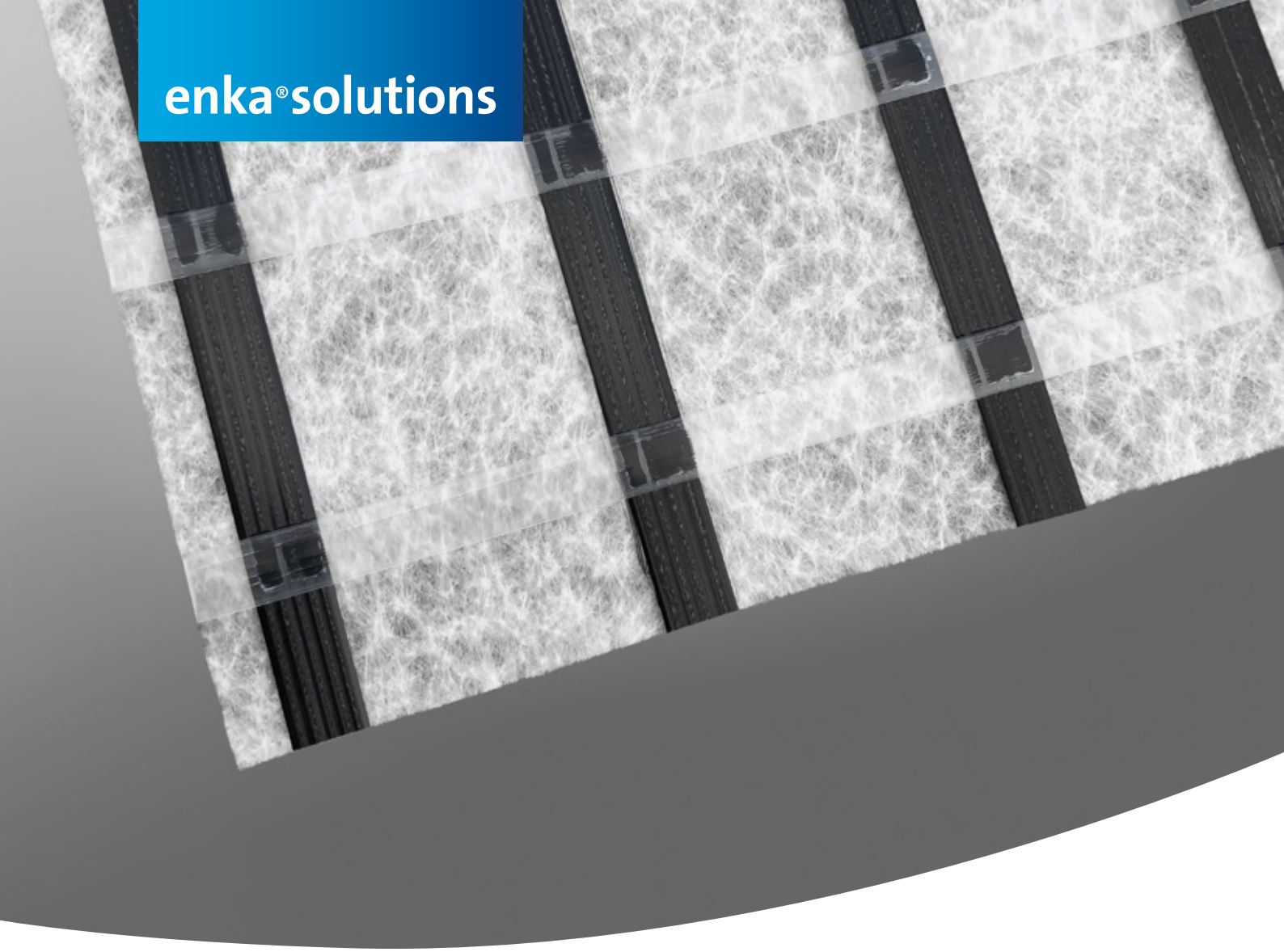
enka® solutions



ENKAGRID® MAX C

BIAXIAL GEOGRID COMPOSITE FOR SOIL REINFORCEMENT, FILTRATION AND SEPARATION

EnkaGrid MAX C is the latest addition to the range of EnkaGrid high-performance reinforcement solutions. In addition to reliable soil stabilization, the multifunctional product provides the filtration and separation needed in both temporary and permanent site works.

Available in different strengths, EnkaGrid MAX C consists of a biaxial geogrid bonded to a nonwoven geotextile. The geogrid stabilizes the sub-base and improves its load-bearing capacity, reducing its required thickness and extending the structure's design life. At the same time, the nonwoven geotextile prevents the intermixing of adjacent soils, and retains soil particles while allowing free movement of water. The unique connection technique for both layers leaves sufficient space for optimal interlocking of granular soils with the geogrid strips.

Purchasing, stocking and installing EnkaGrid MAX C rather than individual geogrid and geotextile layers helps reduce complexity and substantially enhances efficiency throughout the value chain of construction projects. Applying this geogrid composite so saves time and money for contractors and project owners alike.

Functions

- Subbase reinforcement & stabilization
- Separation & filtration

FREUDENBERG
PERFORMANCE MATERIALS

FREUDENBERG
INNOVATING TOGETHER

Application areas
- Permanent and temporary roads
- Parking areas
- Airport runways
- Working platforms

Features & benefits
- Multifunctional 3 in 1 geocomposite: provides soil reinforcement, separation & filtration
- Design enables optimal interlocking of granular soils with the geogrid
- Boosts procurement efficiency (purchasing 1 product rather than 2 consolidates order management)
- Enhances logistics management processes including stock keeping
- Safer and easier to install than 2 single products
- Maximizes speed of installation, thus significantly enhancing cost efficiency on site
- Excellent long-term durability in all soil types

Technical details
EnkaGrid MAX C is a multifunctional geogrid composite with the same strength in both axes. It consists of two components:

The first component is an EnkaGrid MAX geogrid. It is made of polypropylene or polyester strips of equal tensile strength in longitudinal and transverse direction. Using a computer-controlled laser welding technology, these strips are connected to create consistently rigid joints throughout the reinforcement layer. The second component, to which the geogrid is bonded at intervals, is a mechanically bonded polypropylene nonwoven geotextile.

EnkaGrid MAX C is available in different tensile strengths ranging from 20 to 80 kN/m. For maximum speed of installation, the composite is delivered on rolls with a width of five metres.

Technical data sheets with full details are available on request. Freudenberg Performance Materials offers design support for all applications. Contact us for further details.

Quality
The Quality Management Systems of Freudenberg Performance Materials facilities have been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

Product group
EnkaGrid®

Products in this group

EnkaGrid PRO	EnkaGrid MAX C
EnkaGrid MAX	EnkaGrid TRC

PL-ENG-EGRMAXC-236939-2023/07

China	+86 519 6858 5555	Germany	+49 6022 812020	The Netherlands	+31 85 744 1300
France	+33 1 74 90 00 13	Hungary	+36 23 610 870	U.S.A.	+1 828 665 5095