

### Product description

Enkagrid MAX is a rigid, biaxial geogrid for stabilization of soil structures on low bearing capacity soils. Enkagrid MAX is a welded geogrid and its gridstructure of extruded bars delivers increased passive bearing resistance and optimum interaction in most soil types.

By stabilizing the subbase Enkagrid MAX can reduce the granular fill material up to 30 % and decreases construction time significantly. Enkagrid MAX is delivered on site in 5m wide rolls and during installation the product is easy to handle. Enkagrid MAX offers high strength with low strain.

Enkagrid MAX exhibits almost equal tensile strength in both longitudinal and transverse directions, making it most suitable for soil stabilization applications. It should be covered within four weeks after installation.

### Application

Enkagrid MAX is ideal for subbase reinforcement with optimal price/performance. Examples of applications are:

- construction haul roads
- permanent unpaved roads
- paved roads
- working platforms on weak subsoils
- parking areas
- multi layer applications

Over the past years Enkagrid MAX has proven itself in many different projects worldwide under extreme conditions.

### Performances

#### Technical properties

	Enkagrid MAX 20	Enkagrid MAX 30	Enkagrid MAX 40	
Tensile strength (kN/m) <sup>[1]</sup>	20	30	40	EN ISO 10319
Strength at 2.0 % strain (kN/m) <sup>[1]</sup>	8	11	14	EN ISO 10319
Strength at 5.0 % strain (kN/m) <sup>[1]</sup>	16	22	29	EN ISO 10319
Strain at break (%) <sup>[1]</sup>	9	9	9	EN ISO 10319
Polymer	PP	PP	PP	
Aperture size A x B (mm) <sup>[2]</sup>	44 x 41	44 x 40	42 x 38	

[1] Mean value

[2] A = Aperture size longitudinal direction; B = Aperture size transverse direction

## Dimensions, identification and weights

Enkagrid MAX Type	Grid			Rolls			
	Width m	Length m	Area m <sup>2</sup>	Color-code <sup>[3]</sup>	Ø m	Length m	Gross-weight kg <sup>[4]</sup>
Enkagrid MAX 20	5	100	500	Orange + yellow	0.37	5.05	97
Enkagrid MAX 30	5	100	500	Orange + green	0.40	5.05	124
Enkagrid MAX 40	5	100	500	Orange + blue	0.43	5.05	159

[3] According to EN ISO 10320: Identification on site

[4] Gross weight = geogrid + core + packaging

Individual values may vary from above mentioned data.

## Quality Assurance



The Quality Management System of Colbond bv, at Arnhem (development and sales) and Obernburg (production), has been approved by Lloyd's Register Quality Assurance Limited for the ISO 9001:2000 quality management system standard (Certificate No. 935136).



0799-CPD

All Enkagrid MAX types are CE-certified by an independent notified body (0799-CPD).

---

**Colbond bv, P.O. Box 9600, 6800 TC Arnhem, The Netherlands**  
**Phone: +31 26 366 4600 • Fax: +31 26 366 5812**  
**geosynthetics@colbond.com • www.colbond.com**

The information set forth in this product information our best knowledge at the time of issue. It is subject to change pursuant to new developments and findings, and a similar reservation applies to the properties of the products described. We undertake no liability for results obtained by usage of our products and information.