



BERA  STABLE FIX
eco⁺

Interlocking Cellular Grids



BERA® Stable Fix Eco+ – Sustainable Heavy-Duty Grid System – Powered by TopMat®

BERA® Stable Fix Eco+ offers a high-strength, eco-friendly solution for stabilizing driveways, parking areas, emergency roads, and pathways. Made from recycled household waste and fully recyclable, it supports sustainable landscaping with a minimal environmental footprint.

Filled with gravel, split, soil, or grass, it allows design flexibility while promoting healthy drainage. Unlike concrete pavers, its **low thermal conductive PolyEthylene** keeps surfaces cooler and more plant-friendly.

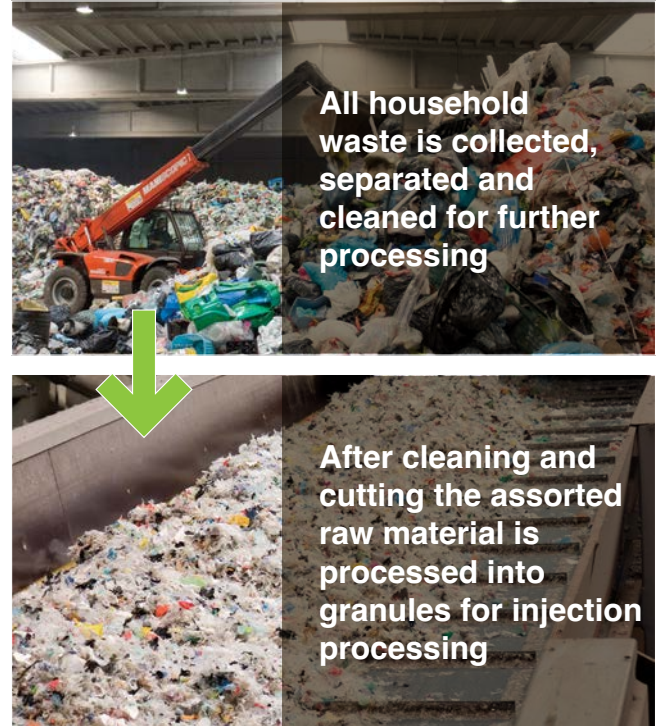
The patented **meandering wall design** compensates for thermal expansion and lateral forces, allowing mild curves without cutting. Its **interlocking system** ensures secure, rigid installation.

Applications:

- 👉 Commercial landscaping & gardens
- 👉 Driveways, parking lots & service routes
- 👉 Aircraft taxiways & helipads
- 👉 Paddocks & equestrian areas
- 👉 Embankments & slope stabilization

Key Features & Benefits:

- 👉 **Eco-Friendly & Circular** – Made from recycled household waste and fully recyclable
- 👉 **High Load Capacity** – Supports **200 T/m²**, suitable for heavy-duty vehicle access
- 👉 **Versatile Fill Options** – Compatible with **gravel, split stone, grass, or soil** to match your landscape design.
- 👉 **Smart, Secure Design**
 - ▶ Anti-slip nodules on top for better grip
 - ▶ Built-in compensation for thermal expansion
 - ▶ Strong interlocking system prevents shifting & separation
- 👉 **Efficient Installation**
 - ▶ Each m² = 4 sheets (50 x 50 cm, 5 cm high)
 - ▶ Delivered in **pre-assembled layers** for rapid deployment
 - ▶ Easy customization around trees, shrubs, and fencing
- 👉 **Permeable Surface** – Promotes natural drainage and healthy vegetation growth
- 👉 **Certified European Quality** – Designed and manufactured in Europe for durability and performance



TECHNICAL SPECIFICATION*

GENERAL

Material	: 100% Recycled PolyEthylene (PE)
Manufacturing technique	: High precision injection moulding
Manufacturing location	: European Union
Application standards	: DIN 14090
UV and frost resistance	: Included
Colour	: Black
Cell structure	: Square and curved
Interlocking	: Secured interlocking

PHYSICAL DATA

Standard sheet size	: 50 x 50 x 5 cm
Tolerance dimensions	: +/- 3%
Surface per sheet	: 0.25 m ²
Cell size	: 65 mm square
Wall thickness	: 4 mm top, 10 mm at bottom
Gravel size recommended	: any size between 3-20 mm
Quantity per m ²	: 4
Quantity of sheets / m ² per pallet	: 200 sheets / 50 m ²
Weight per sheet, approx.	: 1.75 kg
Weight per m ² , approx.	: 7 kg
Strength, empty EN 124-1:2017	: 200 T/m ² , filled with gravel >600T/m ²
Thermal expansion	: Absorbed internally

*All data are subject to change without further notice



① for gravel or grass parkings & driveways



① UV stable



① Circular product



Pallet dimensions	: 100 x 120 x 230 cm
Weight per pallet	: approx. 360 kg
Quantity per pallet	: 50 m ²
Quantity per trailer	: 1300 m ²

Product ID: 1300214

LAYING INSTRUCTIONS

1. Foundation

Foundation requirements depend on soil type and expected load. For best results, consult a specialist.

General guidelines:

- Prepare a **20–40 cm compacted crushed stone and gravel base**, ensuring permeability.
- For vehicular use, place a **300–500 g/m² non-woven geotextile** over the compacted base to maintain stability.

2. Base preparation

- Apply a **5–7 cm layer** of levelled and compacted **sand-crushed stone mix** over the geotextile.
- Level in temperatures **above 3°C**.
- Install **edging** to prevent shifting—BERA® Edging Systems (available separately) include stakes for quick setup.
- Leave a **5 cm expansion gap** between the grid and fixed elements for thermal movement.

3. Sheets Installation

- Lay **BERA® Stable Fix Eco+ sheets** in a **stretcher bond pattern** for enhanced stability—no tools needed.
- Pallets come pre-layered (1 m² = 4 sheets). Position near the work area for faster handling.
- For slopes, consider **extra anchoring**.
- Trim with a grinder or circular saw if required.
- **Light compaction** may be applied after installation.

4. A - Filling with Grass

- Choose drought-tolerant grass suited to local climate.
- Fill sheets with a **40/30/30% mix of sand, peat, and soil**, then water thoroughly.
- Sow seeds, fertilize, and maintain with regular watering and mowing.
- Allow grass to establish (several cuts) before driving on it.
- Expect natural **settling of ~1 cm**, creating room for healthy grass growth.

B - Filling with Gravel

- Use **angular split or gravel** (3–20 mm).
- Compact thoroughly to fill all cavities evenly and ensure surface stability.





BERA® is the trademark of BERA B.V. of The Netherlands, a company which develops stabilization systems, eco systems and prestigious outdoor living concepts.

With the company's historical roots & wealth of know-how in landscaping and architectural fields, they create innovative and environmentally sustainable solutions, supplied throughout Europe, the Middle-East, South Africa and S-E Asia regions.

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