

MADE IN EUROPE



4 or 5 cm height

BERA  STABLE FIX
eco

Interlocking Cellular Grids



BERA[®]

BERA® Stable Fix Eco – Sustainable Heavy-Duty Grid System

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. Its **interlocking system** ensures secure, rigid installation.

Key Features & Benefits:

- 👉 **Eco-Friendly & Circular** – Made from recycled household waste and fully recyclable
- 👉 **High Load Capacity** – Supports **650 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
 - ▶ Strong interlocking system prevents shifting & separation
- 👉 **Efficient Installation**
 - ▶ Each m² = 4 sheets (50 x 50 cm, 4 or 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

Applications:

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



All household waste is collected, separated and cleaned for further processing



After cleaning and cutting the assorted raw material is processed into granules for injection processing

TECHNICAL SPECIFICATIONS*

GENERAL

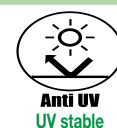
Material	: 100% recycled polypropylene / polyethylene
Manufacturing technique	: High Precision Green Injection Moulding
Manufacturing standards	: ISO9001, REACH, EPD
Manufacturing location	: European Union
Colour	: Black
UV and frost	: UV and frost resistant

PHYSICAL DATA

Model	SF-ECO-40L	SF-ECO-40	SF-ECO-40HD	SF-ECO-50	SF-ECO-50HD	
Product ID	: 1300322	1300300	1300301	1300302	1300303	
Dimensions L x W x H (cm) +/- 3%	: 50 x 50 x 4	50 x 50 x 4	50 x 50 x 4	50 x 50 x 5	50 x 50 x 5	
Installed surface (m ²)	: 0.25	0.25	0.25	0.25	0.25	
Wall thickness (inner - outer) (mm)	: 3 - 4.5	4 - 5.5	6 - 6	4 - 5.5	6 - 6	
Cell size (cm)	: 6.7	6.6	6.4	6.6	6.4	
Weight per m ² (kg)	: 4.8	6	7.2	7.2	9.2	
Compressive strength ISO844 - empty	: up to 250 T/m ²	up to 350 T/m ²	up to 500 T/m ²	up to 400 T/m ²	up to 650 T/m ²	
Compressive strength filled with gravel*	: up to 650 T/m ²	up to 900 T/m ²	up to 1,000 T/m ²	up to 1,000 T/m ²	up to 1,400 T/m ²	
Logistic info	Quantity per pallet (m ²)	: 34 (60)	34 (60)	34 (60)	27 (48)	27 (48)
	Quantity per pallet (pcs)	: 136 (240)	136 (240)	136 (240)	108 (192)	108 (192)
	Pallet dimensions (cm)	: 120 x 100 x 130 (210)	120 x 100 x 130 (215)	120 x 100 x 130 (215)	120 x 100 x 130 (210)	120 x 100 x 130 (215)
	Pallet weight (kg)	: 180 (305)	235 (405)	260 (450)	235 (380)	285 (455)
	Per trailer, quantity (m ²)	: 1768 (1560)	1768 (1560)	1768 (1560)	1404 (1248)	1404 (1248)

All data are subject to change without prior notice by the manufacturer

* depending on filling and compaction (soil, grass, gravel)



LAYING INSTRUCTIONS

1. Foundation

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

General guidelines from subsoil upwards:

- Place a **300–500 g/m² non-woven geotextile** over the subsoil for layer separation.
- Prepare a **20–40 cm** lower compacted base layer of crushed stone 31.5-63 mm, ensuring permeability and strength.
- Prepare a **5–20 cm** upper compacted base layer of crushed stone 12-31.5 mm, ensuring permeability and strength.
- Place a **300–500 g/m² non-woven geotextile** for layer separation.

2. Base preparation

- Apply a **1–2 cm layer** of levelled and compacted builders' angular sand 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 at least **5 cm expansion gap** between the grid and fixed elements (walls, edges, obstacles) for thermal movement.

3. Sheets Installation

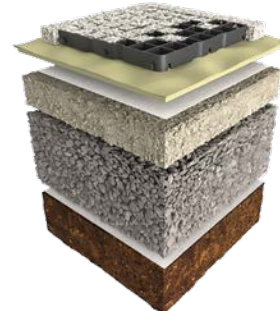
- Lay **BERA® Stable Fix Eco sheets** — no tools needed.
- Pallets come pre-layered (1 m² = 4 sheets). Position near the work area for faster handling.
- For slopes, consider **extra anchoring**.
- Trim with a grinder or circular saw if required.
- **Light compaction** may be applied after installation.

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.



Parking Markers





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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