

ShieldMAT G40 Drainage Layer

The ShieldMAT G-40 is a nodular layer, made up of high density polyethylene (HDPE) in black. Nodules height 40mm.

PRODUCT INFORMATION

Water retention and flow-delay drainage board with CE marking, made of recycled high-impact polyethylene, 40mm high, stepped barrier form, with evaporative vents and water channel system on the underside, compressive strength 338 kN/m² (unfilled), 755 kN/m² (filled), water flow capacity on 2% roof slope 1,011 (m/s) certified according to EN ISO 12958, water storage capacity 19,59 l/m², microbiological resistance tested (EN 12225).

Water retention and flow-delay drainage board for semi-intensive and intensive green roofs and hard-surface pedestrian areas for flat roofs and zero-degree slope roof construction, made of recycled High Density Polyethylene (HDPE).

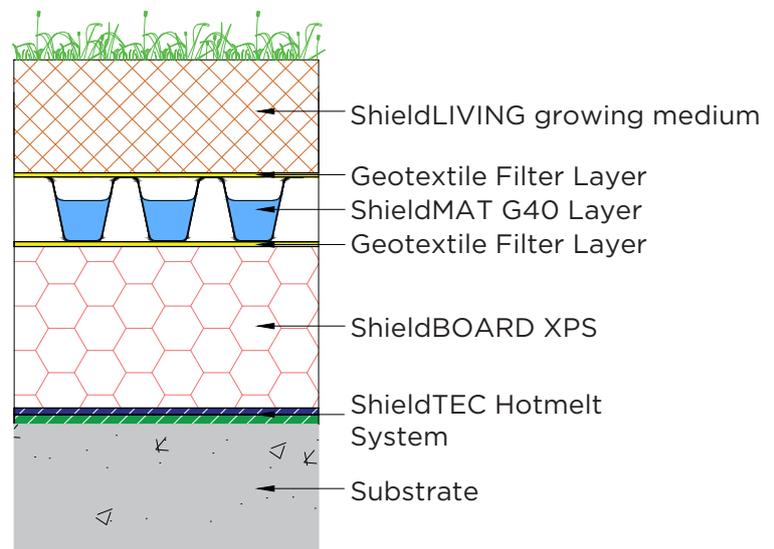
KEY FEATURES

- High rainwater retention > 19,59 l/m² of water storage capacity
- Prevention of water channel system over use
> waterflow speed decreased by stepped barriers
- Microbiological resistance test (EN 12225). Additional protection for the waterproofing layer against microbiological damage
- Recessed evaporation vents. Unobstructed aeration
- Durable and high impact-resistant material. Stability under pavements, water cooling is not needed during summer installations
- Snap the board for the required size. No cutter needed on the work site
- Negligible overlap loss. Economical installation and cost savings
- Increased contact area and decreased surface pressure

TECHNICAL DATA

Board Size (mm)	Approx, 2040X1040X40 [ca, 2, 12 m ² / sheet
Rainwater retention capacity (l/m ²)	19,59
In-fill volume (l/m ²)	22,75
Overlap loss	-5%
Surface weight (kg/m ²)	1,96
Compressive strength (unfilled) (kN/ m ²)	338
Compressive strength (filled) (kN/ m ²)	755
Material	Recycled high density polyethylene (HIPS)
Water flow capacity EN ISO 12958 (l/(mXs)	at 1%: 1,01 / at 2%: 1,01 / at 3%: 1,25 / at 5%: 1,63
Storage	Horizontally, protect from UV radiation
Installation	Adjacent to each other or overlapped, cover immediately after laying

Typical Detail



Disclaimer

The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Shield Membranes reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice.

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