

New in Our Product Range:

ISO-DRAIN nature 40 P 2.0



ISO-DRAIN nature 40 P 2.0 – the new generation for high-performance green roofing

The requirements relating to modern green roofing and effective water management are growing all the time. Frequent heavy rainfall events are putting pressure on sewer systems, while long dry spells are placing huge strain on vegetation – especially on roofs. What’s more, green roofs play an important role in keeping urban areas cool during summer heatwaves.

ISO-DRAIN nature 40 P 2.0 is an innovative solution that combines the tried-and-tested features of ISO-DRAIN nature 40 P with an optimised **water storage capacity of approx. 23 l/m²** – all with a consistent **installation height of just 40 mm**.

Advantages of ISO-DRAIN nature 40 P 2.0

Thanks to its high water storage volume and targeted perforation, ISO-DRAIN nature 40 P 2.0 offers numerous benefits:

- **Efficient supply of water:** Ensures a long-term water supply for green roofs.
- **Sustainable use of rainwater:** Reduces water losses and optimises the utilisation of rainwater.
- **Ecological stability:** Supports the balance of the greening system.
- **Prevention of waterlogging:** Optimum water management protects the green roof from becoming waterlogged.
- **Promotion of root aeration:** Improves diffusion and ensures healthy root growth.

Wide-ranging applications

ISO-DRAIN nature 40 P 2.0 is ideal for a variety of green roofing systems. It can be used on cold, warm, inverted and retention roofs (blue roofs).

For extensive green roofs with a raised layer structure, it serves as a drainage and water storage element and provides a reliable supply of water. It is also a perfect solution for simple intensive greening with a lower layer

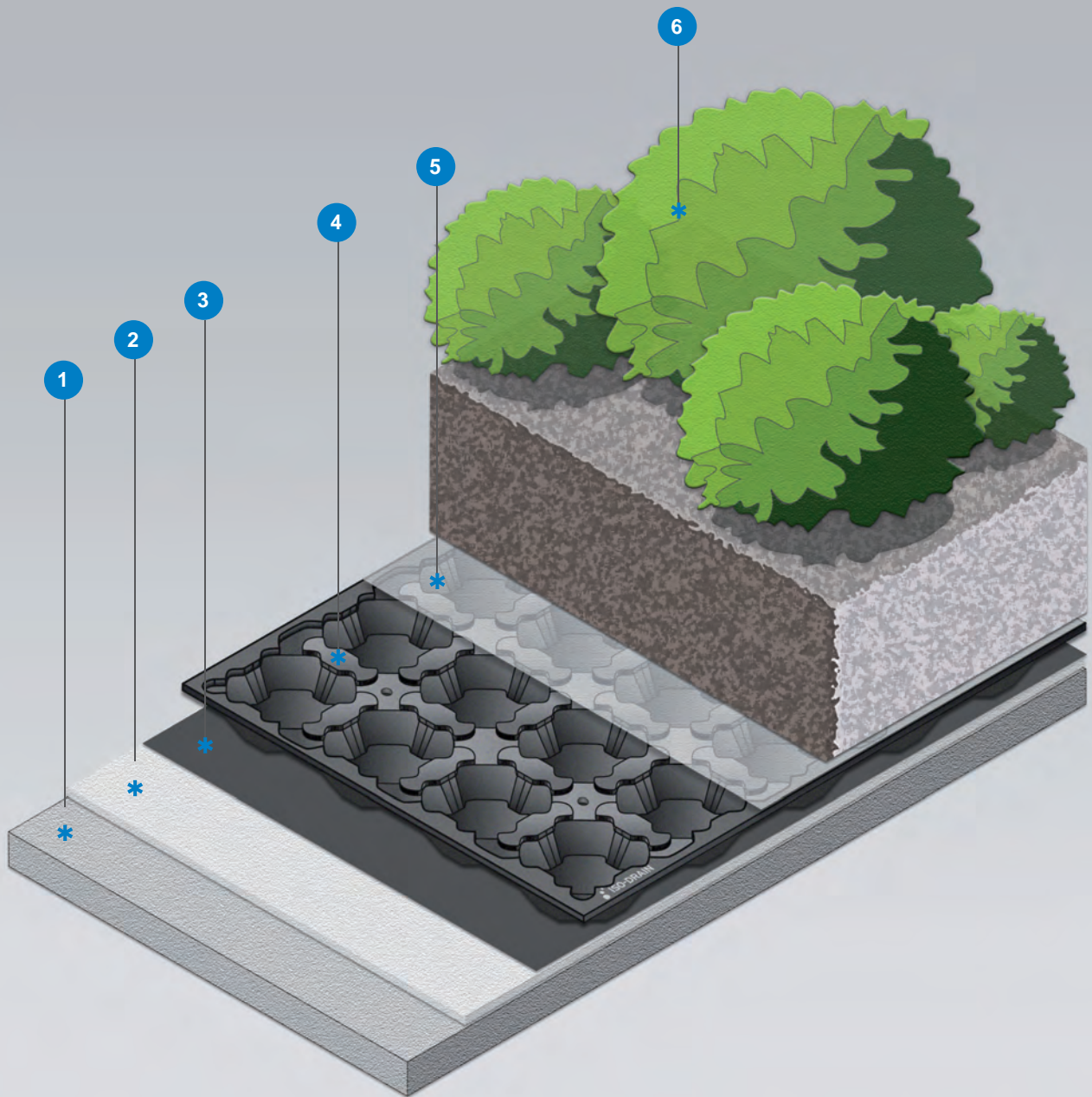
structure. By creating an adequate storage volume, it ensures a continuous supply of water. What’s more, it promotes root growth by improving aeration and diffusion. It offers a high retention volume, too, which has a positive impact on the green roof’s discharge coefficient and therefore makes a key contribution to sustainable water management.

Resource-friendly and easy to handle

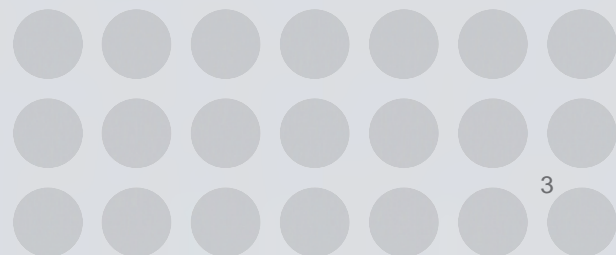
Made from eco-friendly recycled HDPE, ISO-DRAIN nature 40 P 2.0 makes an active contribution to CO₂ reduction. The practical **sheet size of 1.30 x 1.10 m** facilitates handling on site – both during transport and when laying, which can be done either overlapping or edge to edge.

ISO-DRAIN nature 40 P 2.0 is the ideal solution for effective water management and creates durable, sustainable green roofs.

Property	ISO-DRAIN nature 40 P 2.0
Resin	HDPE regranulate
Colour	black
Area weight	approx. 1,700 g/m ²
Dimple height	approx. 40 mm
Dimple spacing	approx. 100 pcs/m ²
Compressive strength unfilled	approx. 100 kN/m ²
Water storage volume	approx. 23 l/m ²
Drainage capacity	approx. 0.83 l/(ms) at i = 0.01 approx. 1.53 l/(ms) at i = 0.03 approx. 2.77 l/(ms) at i = 0.05
Dimensions	1.30 x 1.10 m
Tensile strength (MD)	approx. 12.8 kN/m
Strain at maximum load	approx. 90%
CE certificate	EN ISO 13252
Service temperature range	-40 to +80 °C
Physiological properties	safe for drinking water



- 1 Flat roof
- 2 Roof waterproofing
- 3 Protective mat
- 4 ISO-DRAIN nature 40 P 2.0
- 5 Geotextile mat
- 6 Soil substrate / Vegetation





Certification:

