



## **CORE DRAINBASE** - Specification & Installation



# CORE DRAINBASE

## Specification & Installation

**CORE**Landscape<sup>®</sup>  
Products

### THE PRODUCT

CORE DRAINBASE is an innovative water buffering tile system that forms a strong yet flexible permeable base for artificial grass. It consists of an inverted checkerboard pattern guaranteeing a good load distribution as well as a stable surface.

The tile is divided into 9 flexible zones to maintain maximum contact with the subbase in all circumstances. The top consists of a non-skid layer which grips to the underside of artificial grass.



### USE FOR

- ✓ Artificial grass drainage • Roof gardens

### TECHNICAL DATA

Depth	30mm
Material	Recycled HDPE
Size	600 x 600mm
Accessories	Fixing caps & screws • Drainbase borders
Water Buffering Capacity	30 Litres / m2
Cell Weight	917g Unit (2.55kg per m2)
UV Stable	Yes
Tiles per m2	2.8
Unit Weight	1.0kg per m2

### BENEFITS

- ✓ Extremely strong and long lasting
- ✓ Stabilises artificial grass - zero movement
- ✓ Greatly increases life-span of your artificial grass
- ✓ Filters rainfall back into the ground effectively
- ✓ Very flexible due to the 9 zones - remains in contact with subbase



# CORE DRAINBASE

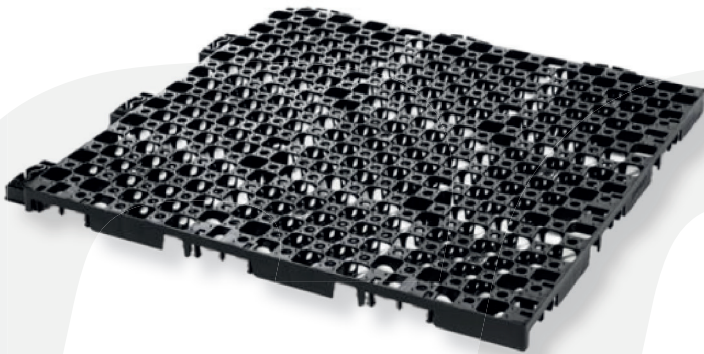
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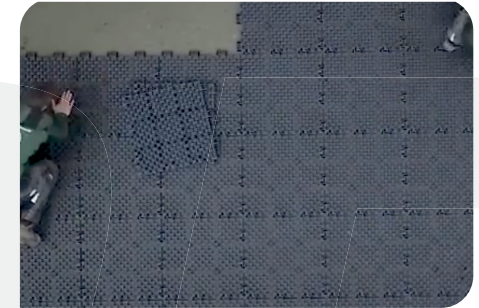
### BENEFITS

Drainbase is an innovative water buffering system for artificial turf. Drainbase catches the rainwater and buffers it under the tile preventing puddling and speeding up installation (no base material required).

- ✓ **Optimal load distribution**  
The perfect ratio between contact surfaces at the top and bottom of the tile ensures optimal load distribution to the substrate.
- ✓ **High water buffering capacity**  
Drainbase buffers 30 litres of water per m<sup>2</sup>. The solution for a perfectly water-permeable, green and ecologically responsible paving.
- ✓ **Unique connection system**  
The connections allow the plates to shrink and expand within their own dimensions, both during installation in cold and warm temperatures.
- ✓ **Huge flexibility**  
Thanks to the 9 flexible zones the tiles can be applied to various substrates and always maintains maximum contact.



### EASY INSTALL



### **Applications**

Drainbase is innovative in the field of applications with artificial turf and it combines the positive properties of artificial turf with the possibility of buffering and infiltrating rainwater. Drainbase catches the rainwater and buffers it under the tile after which the water can infiltrate into the subsoil. This considerably increases the durability of your artificial grass.

### **Installation**

On top of your porous subbase, install a layer of geotextile membrane. On top of the membrane, a layer of sharp sand can then be laid - to about 10mm depth. Another layer of geotextile membrane over the sand, then lay the CORE DRAINBASE tiles. From here, you can begin to install your artificial grass over the DRAINBASE tiles.

### **Storage & Handling**

CORE DRAINBASE is stored on pallets - and is delivered on them same pallets. They are banded, then shrink wrapped to secure them to the pallet. Delivered via a pallet vehicle, they need to be removed to ground level by either the pump truck on the vehicle or with a fork-lift. Once at ground level, the tiles can be carried off the pallet by hand to your installation area.

### **PPE**

Please wear relevant PPE clothing and footwear when installing CORE DRAINBASE.

### **Health & Safety**

To comply with Health and Safety Regulations 1981, all construction sites should have a first aid box with enough equipment to cope with the number of workers on site, an Appointed Person to take charge of first-aid arrangements, and a First-Aider who has undertaken training and holds an HSE approved qualification to administer first aid. The number of first-aiders will depend on the site, and information should be clearly displayed on site telling workers the name of the Appointed Person(s) or First Aider(s) and where to find them.

### **Fire Protection & Stability**

High-density polyethylene (HDPE) is known for its excellent fire safety characteristics. It has a high resistance to ignition and does not easily catch fire. When exposed to flames, HDPE has a self-extinguishing property, meaning it will stop burning once the ignition source is removed.

### Environmental Credentials

High-density polyethylene (HDPE) offers several eco-friendly benefits. First and foremost, HDPE is a recyclable material, meaning it can be reused and repurposed, reducing waste and conserving resources. Additionally, the production of HDPE requires less energy compared to other plastics, leading to a lower carbon footprint. HDPE is also non-toxic and safe for the environment, as it does not release harmful chemicals or leach into the soil or water. Its durability and resistance to weathering contribute to its long lifespan, reducing the need for frequent replacements and minimizing environmental impact. These eco-friendly attributes make HDPE a sustainable choice for various applications, promoting a greener and more environmentally responsible approach.

### Further Information

Please do not hesitate to contact us to discuss your next project. For more information on the entire CORE product line please refer to the Knowledge Centre on our website. You can find all of your downloads, install videos and case studies at [www.corelp.co.uk](http://www.corelp.co.uk).

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