



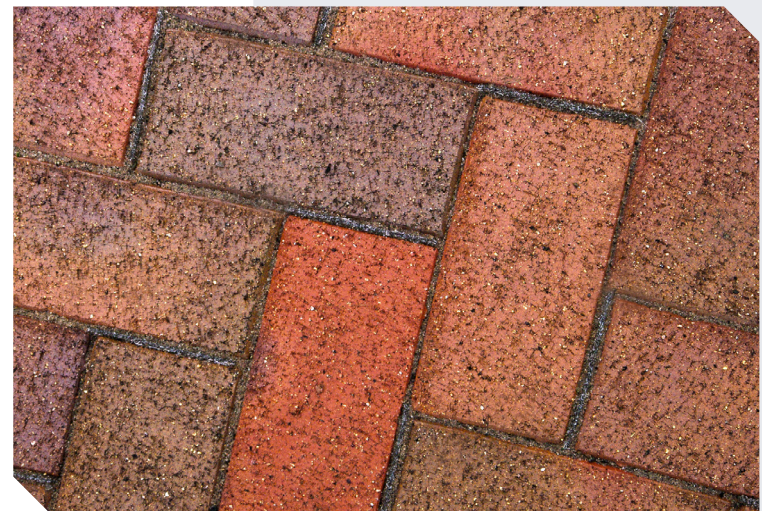
## **Drainjoint**

Making every  
paver permeable



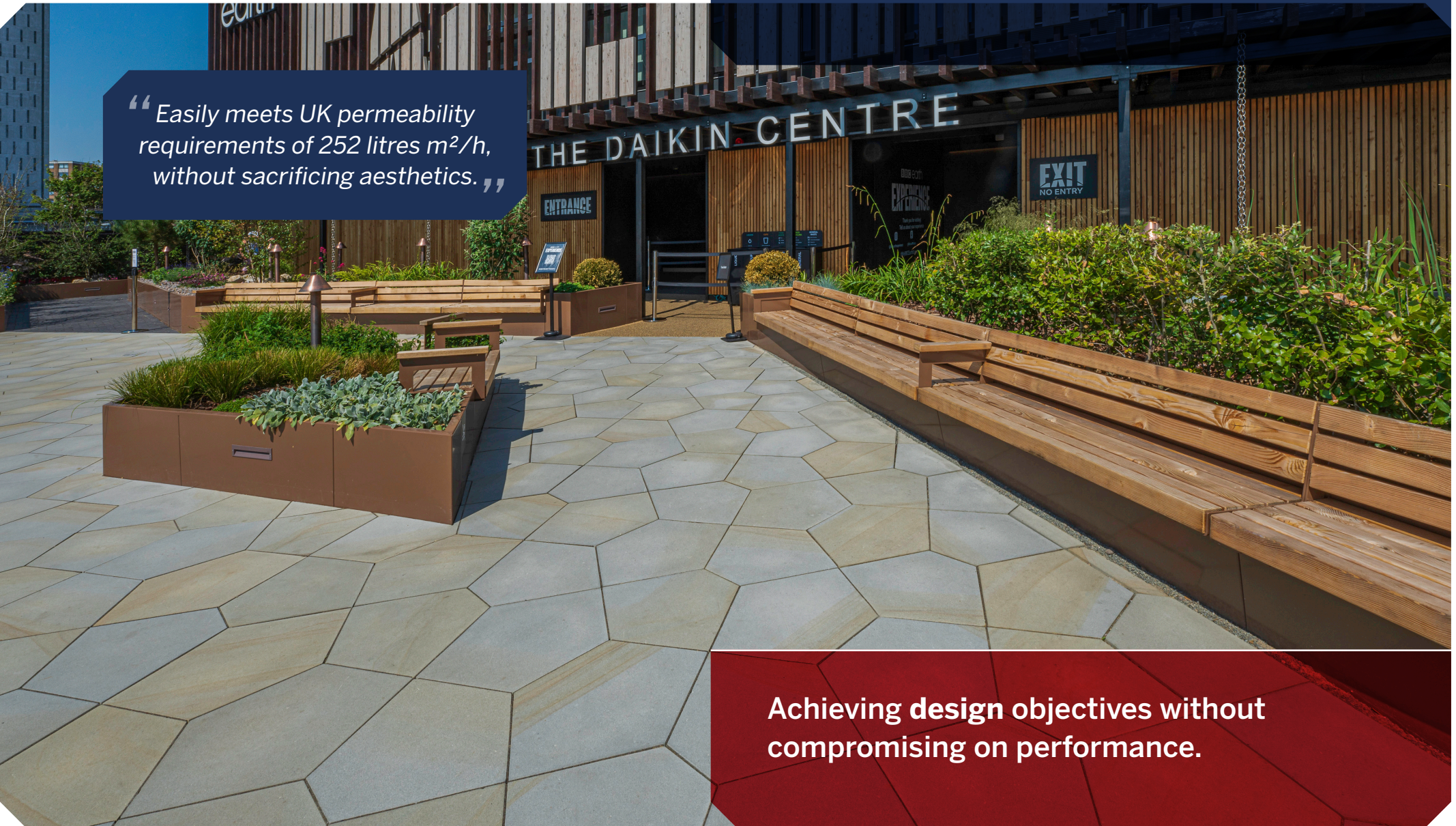
## **Drainjoint is an easy to install infiltration joint, made to measure, to make every paver permeable.**

The innovative design acts as a paving joint filler and spacer, significantly improving flooding control control, without the need for nibs. Specifiers benefit from the freedom of paving material choice, while adopting climate change strategies without impacting aesthetic objectives.



Bespoke shaped mixed colour Forest Pennant sandstone utilising varying lengths of Drainjoint at BBC Earth Experience, Earl's Court, London.

*“ Easily meets UK permeability requirements of 252 litres m<sup>2</sup>/h, without sacrificing aesthetics. ”*



**Achieving design objectives without compromising on performance.**



## Maximising compatibility

Available in brown or black, Drainjoint can be used with curved, hexagonal, straight, or even 12-sided shaped pavers, making even the most complex designs permeable.

The ease of installation means pavers don't need to carry nibs or extensions, removing the need for unsightly aggregate joints, preserving the look of any design. Drainjoint is supplied equal to the height of the stone being used, and can accommodate any paving size.



Designed and manufactured for **optimum sustainability**, using the most suitable materials and processes.



Drainjoint utilised alongside removable tree surrounds at The Strand, Liverpool.



## Combining performance and sustainability

Designed and manufactured for optimum sustainability, Drainjoint is 100% varying thickness polyolefin threads, connected via melt welding.

Available in standard 4mm thickness or 8mm for areas that require extra permeability. For trafficked areas added circular cuts allow the ingress of jointing material to minimise movement through compression of the pavers.

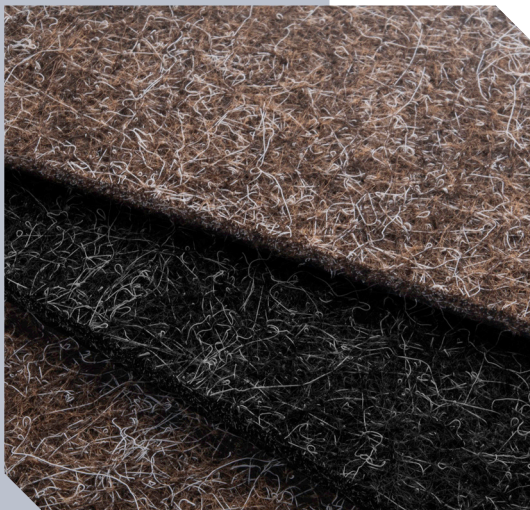
The manufacture process used ensures the material retains its flexibility and strength, minimising the potential for loss of fibres and the subsequent introduction of microplastics into the watercourse.

The products permeability allows water flow, but as pollutants cannot penetrate the fibres, reduces the risk of fine materials clogging the joints. Plants and trees surrounded by paving will have a better regulated water supply, improving flood and drought resistance, ensuring they maximise their carbon sequestering potential.

## Long term cost efficiencies

Drainjoint is a sustainable drainage system that is cost effective to install, maintain and repair. It allows for paving to be installed without drainage sloping, reducing the complexities and costs of managing water run-off. Removing aggregate joints mean no continuous maintenance or rattling of blocks, reducing the potential for surface failure or expensive rejointing.

Silt stays on top of the Drainjoint, making cleaning simple and reducing the risk of jointing material pollution. Paving can be cleaned with a standard mechanical sweeper and, as Drainjoint is non-degradable and does not absorb water, there is no potential for freeze-thaw damage.



## Key benefits at a glance



Easy installation



Low or no maintenance



Cost-effective



Reduce sewer capacity specification  
on new residential areas



Suitable for all kinds of paving  
materials and sizes



No need for nibs



Drainjoint is created with virgin polypropylene (PE), using an innovative thermo-consolidation process, reducing the water and energy used to 75% less than traditional needfelt. While it cannot be made from recycled plastic (PP), it is fully reusable, recyclable, and is easy to repurpose in future changes to your project.

Our sales team will work with you on all the needed calculations for drain-off and other factors affecting your design, to ensure the Drainjoint layout meets your requirements.

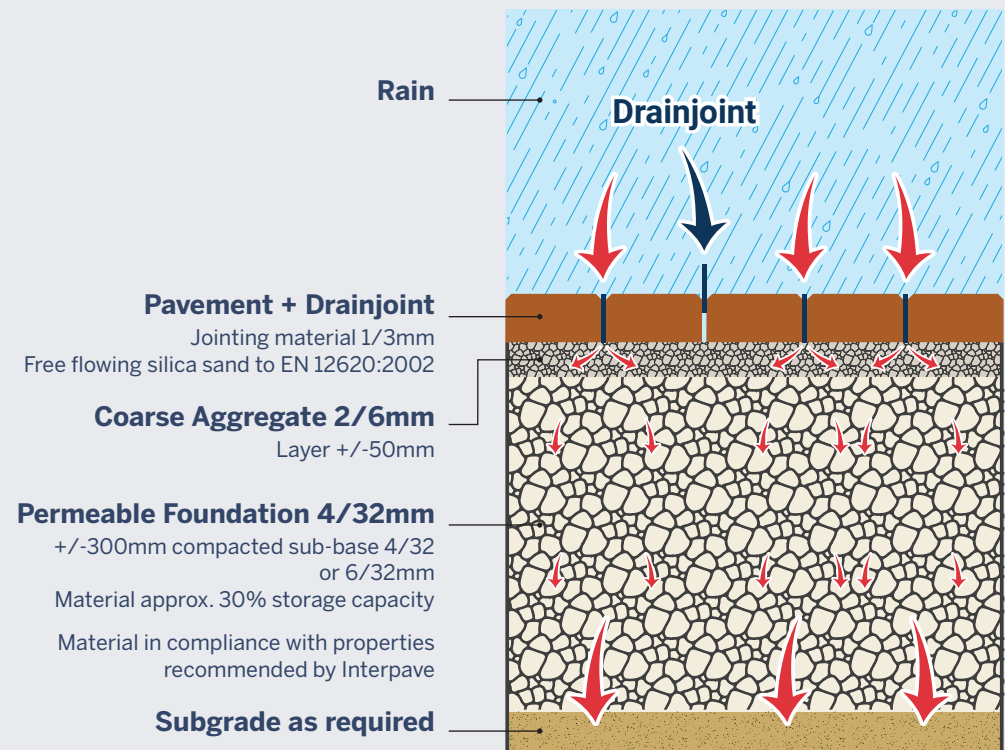
## Technical information

- ▶ Custom made to suit the size of the blocks and laying scheme/pattern
- ▶ Suitable for pedestrian and vehicular uses
- ▶ DEFRA compliant design service
- ▶ Paving can be laid to 'no falls'
- ▶ Removes or significantly reduces the need for surface drainage

## Water permeability

- ▶ 1 linear meter of Drainjoint 4mm has a water permeability of 75 litres per hour\*
- ▶ 1 linear meter of Drainjoint 8mm has a water permeability of 150 litres per hour\*
- ▶ Frost resistance continuous: -20°C
- ▶ Heat resistance continuous: +60°C
- ▶ Using graded bedding material to BS EN 12620 : 2002
- ▶ Chemical resistance: Hydrocarbons, Glyphosate herbicides, and road salts
- ▶ Tensile strength at break (MD): 22 KN/m1. Strain (MD): 105%
- ▶ Bedding and sub-base in accordance with BS 7544 part 13
- ▶ Jointing material 1-3mm, free flowing silica sand to EN 12620:2002
- ▶ Do not use geotextiles between bedding layer and sub-base
- ▶ Density: 4mm = 0.7kg/m<sup>2</sup> and 8mm = 1.4kg/m<sup>2</sup>

## Drainjoint Sub-base design



\*calculated including the safety factor from BRL 2317.



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