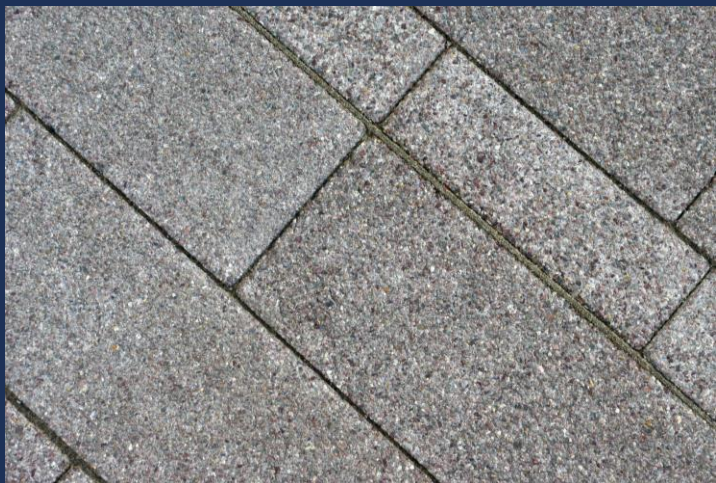
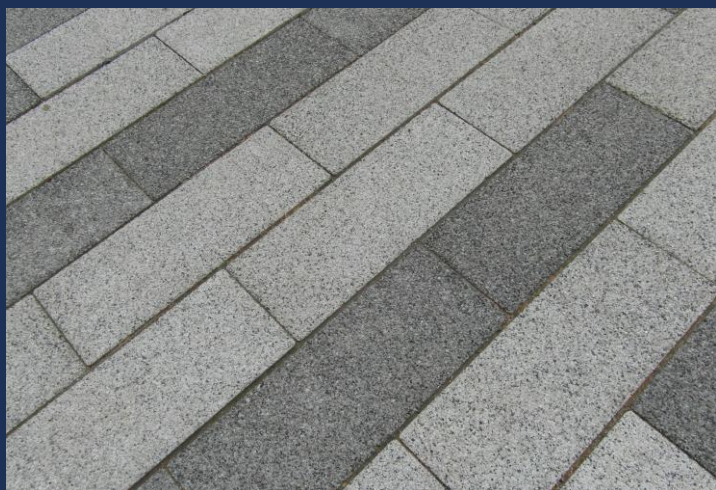
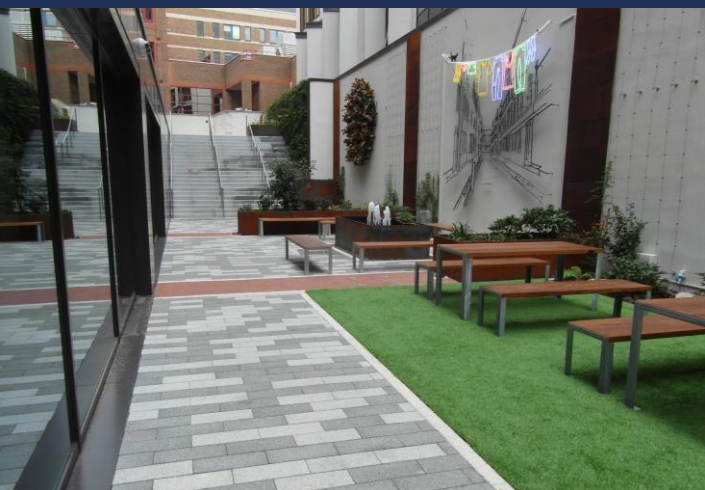


Drainjoint

A Permeable Paving Solution



Drainjoint

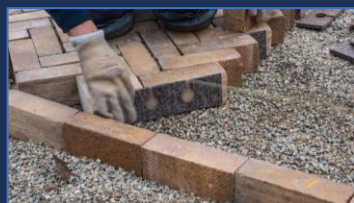
A Permeable Paving Solution



Drainjoint is a synthetic strip that is applied between pavers/tiles as joint filling to make the pavement permeable and also serves as a spacer. It's an innovative permeable design solution that allows freedom for the designer within the specification process of a project and can be used with any paving material, natural stone and man-made, and is really easy to install by contractors and engineers. Removing the need for pavers to carry nibs or extensions and avoiding the requirement for large, unsightly aggregate joints, the system preserves the beauty and aesthetics of the chosen paving products for the scheme. It's made up of 100% polyolefin threads, with different fibre thicknesses, mutual connected by means of melt welding.

In terms of dimensions the height of the Drainjoint is equal to the height of the stone and can accommodate any paving size (not just those designed for a 6mm aggregate joint). The product is designed to be sustainable, cost-effective and a perfect action aid in the mitigation process for the environment. No aggregate joints mean no continuous maintenance or rattling of blocks. No rattling reduces the potential for surface failure and eradicates the need for expensive rejointing. 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.

Circular holes are made within the material specifically for trafficked areas. Where the area is pedestrian only, then the Drainjoint material can be used without holes. Available in standard 4mm thickness or 8mm for areas that require extra permeability. A choice of brown or black material, to suit the aesthetics of the paving choice and surrounding environment, can be specified. Apply manually or by means of machine packages in accordance with work instructions supplier.



Technical:

- Permeable infiltration joint
- Custom made to suit the size of the blocks
- Suitable for pedestrian and vehicular uses
- DEFRA compliant design service
- Paving can be laid to 'no falls'
- Does not require additional surface drainage
- Water permeability:

1 linear meter of drain joint 4 mm has a water permeability of 75 litres per hour*

1 linear meter of drain joint 8 mm has a water permeability of 150 litres per hour*

*calculated including the safety factor from BRL 2317

- Frost resistance continuous: -20°C
- Heat resistance continuous: +60°C
- Using graded bedding material to BS EN 12620 : 2002
- Chemical resistance: hydrocarbons, glyphosates (roundup) 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 1-3 mm, free flowing silica sand to EN 12620:2002
- Do not use geotextiles between bedding layer and sub-base
- Density: 4mm = 0.9kg/m2 and 8mm = 1.8kg/m2

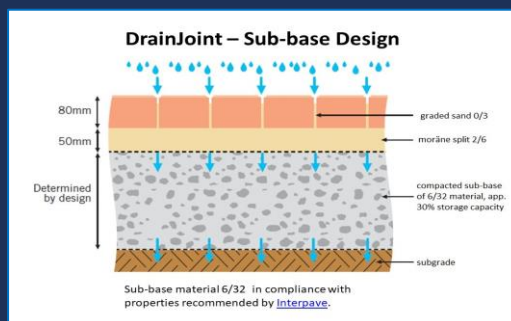
Development:

Drainjoint was developed with the intention to create a product which would:

- Be easy to implement
- Have little or no maintenance requirements
- Be a cost-effective solution

Cost Reduction:

- Capacity of sewers can be reduced when developing new residential areas
- Costs of construction
- Maintenance costs
- No special maintenance is needed
- Drainjoint can be used with all kinds of paving materials and sizes



Traditional Permeable Paving Products:

- Only available in concrete or clay
- Only available in restricted sizes – 105mm x 210mm
- Frequent maintenance – replacement of aggregate in joints