

For more information about adoption, installation, costs, Marshalls Piora permeable paving and SuDS in general, download our completely free design guide from [www.marshalls.co.uk/wm](http://www.marshalls.co.uk/wm)



## Marshalls Free Support Services



Samples



Design



On-site Installation Advice

To find out about the various ways we can help you to include permeable paving within your project, please call 0870 241 4725.



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[www.marshalls.co.uk/wm](http://www.marshalls.co.uk/wm)  
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# EVERYONE WOULD INSTALL PERMEABLE PAVING INSTEAD OF ASPHALT IF THEY COULD...

70% of customers prefer the look of CBP to asphalt.

More than half of all new housebuyers would be willing to pay up to £3,500 extra for a home with greener features.

CBP can be reinstated time after time without losing its aesthetic appeal.

Permeable paving is the ONLY SuDS solution to completely and instantly eliminate surface water from an attractive CBP surface.

Permeable paving avoids planning issues with surface water runoff, by significantly reducing discharge rates.

Permeable paving drives cost from a build by completely eliminating the need for drainage channels, grates and ancillary units.

## ...BUT permeable CBP is more expensive to install, and it's tricky to maintain...

...isn't it?



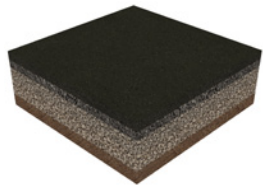
# PERMEABLE PAVING: THE FACTS.

## Is Permeable Paving expensive to install? ... **NO!**

Compared to alternative surfacing (eg - asphalt plus an associated drainage system) Marshalls can demonstrate that the combined catchment, storage and drainage facilities of a Piora permeable system costs

virtually the same – and in many examples, is actually less expensive. In conjunction with our new rationalised sub-base designs, this can also result in a smaller carbon footprint and less time spent on your job!

### Residential Driveway

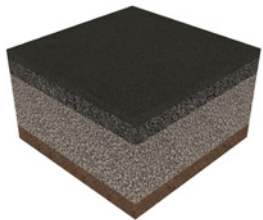


Vs

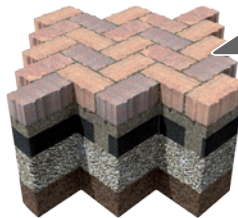


3% Saving

### Car Park



Vs



1% Saving

\* assuming a Type A system, adequate linear drainage, and a 5% CBR.

### PLUS you get all of these benefits:

- Water storage – a residential permeable pavement stores 48 litres of rainwater per square metre!
- SuDS compliance – permeable paving improves water QUALITY as well as removing volume.
- Permeable systems are quicker, simpler and easier to design and install than linear systems.
- No standing water means cleaner, safer surfaces that stay looking good for years.
- Save time and money by eliminating linear drainage.

**Don't believe our figures? Speak to your Marshalls contact to see how we put the numbers together!**

## Is permeable paving difficult to maintain? ... **NO!**

Independent tests have demonstrated that over a 10 year period, even with zero maintenance, a permeable pavement will still be porous enough to cope with any rainfall event that's likely to occur in the UK. A simple annual process of agitating or Hoovering the jointing aggregate is, in most situations, all that's required to maintain a Piora system at the peak of its efficiency.

Compare this to rodding, cleaning and maintaining a point drainage system and the decision is clear.

## Are Local Authorities reluctant to adopt Permeable Pavements?

### ... **NOT ANY MORE!**

10 years ago permeable paving was still considered to be "new" technology, and as such some Local Authorities (LA's) were concerned that it wouldn't perform structurally. However, now that the technology has been tested and proven over more than 10 years on a vast range of installations, many LA's now agree that permeable paving is the most effective method of marrying an effective SuDS measure with durable, attractive hard standing. For those LA's who have yet to widely adopt CBPP, we can provide an excellent portfolio of case studies featuring permeable pavements of every scale that have been installed for many years and still perform both structurally and hydraulically.

## Is permeable only suitable for light loading? ... **NO!**

Following Marshalls in depth study with Professor John Knapton in 2012, we can now create permeable paving designs for ANY loading requirement, from domestic driveways to ports and docks. Find out more at [www.marshalls.co.uk/wm](http://www.marshalls.co.uk/wm)

