

MARSHALLS REDUCE THE COST OF A PRIORA INSTALLATION WITH 9 NEW DESIGN MODELS

On the tenth anniversary of its UK launch, Marshall's has undertaken a major review of their market leading Piora Permeable Paving System.

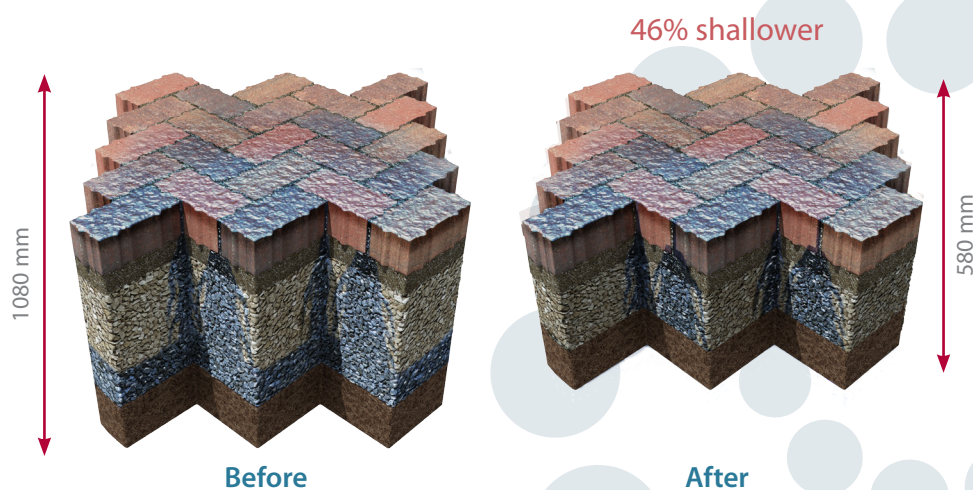
The results are clear...

- **Piora's unique patented nib design**
 - Maximises rotational interlock
 - Reduces pressure on the sub-base by up to 40%
- **9 new sub-base design methods**
 - Mean more flexibility than the 6 British Standard options
 - Allows for more prescriptive, job specific advice
- **Rationalised sub-base designs**
 - Reduce cost by minimising imported aggregate
 - Reduce environmental impact by minimising waste off site

Piora is the best selling permeable paving system in the UK



Marshall's new designs help drive cost from the pavement:



These diagrams are for illustration purposes only; each design is application specific. The above depth example is based on a loading requirement of up to 7.5 tonnes on ground with a CBR of 2%



Based on 10 years of in-situ experience with an unbeatable zero defect track record, Marshall's has reviewed its design models to ensure that they meet the requirements of modern customers. This project used a combination of laboratory test results, finite element analysis, the performance of projects supplied over the last 10 years and the worldwide experience of professor John Knapton.



9 new sub-base design models means increased flexibility and more prescriptive advice



Marshall's patented Priora nib provides a unique benefit. Each Priora block is manufactured with 6 nibs; each nib has 8 different faces which interlock in 3 separate directions. This unique combination of interlocking faces and angles maximizes rotational interlock – a feature which has been proven to reduce pressure on the sub-base by up to 40%. Marshall's Priora is the only permeable paving block on the market to demonstrate full rotational interlock through full scale testing - a market confidence that only Marshall's customers can enjoy.

Understanding the superior surface stiffness Priora provides has enabled Marshall's to enhance the design of the sub-base below a Priora pavement. A series of 9 new design methods has been created – a major leap forward from the 6 current designs offered through the British Standard. Marshall's new designs cover all applications from light to heavily trafficked (including a brand new "Ports and Docks" option for static loads).

Marshall's rationalised sub-base designs help drive cost from the pavement and offer environmental benefits

Marshall's fully qualified design team can now be even more prescriptive in their advice and the majority of designs offered now require shallower sub-bases, reducing costs and minimizing time on site. By reducing the amount of imported aggregate and waste off site, the new options also offer enhanced environmental benefits.

To learn more and to start benefiting from Marshall's new designs speak to one of our engineers today on 0870 241 4725

Expert help on tap for local authorities, planning departments and civil engineers

www.marshall's.co.uk/watermanagement