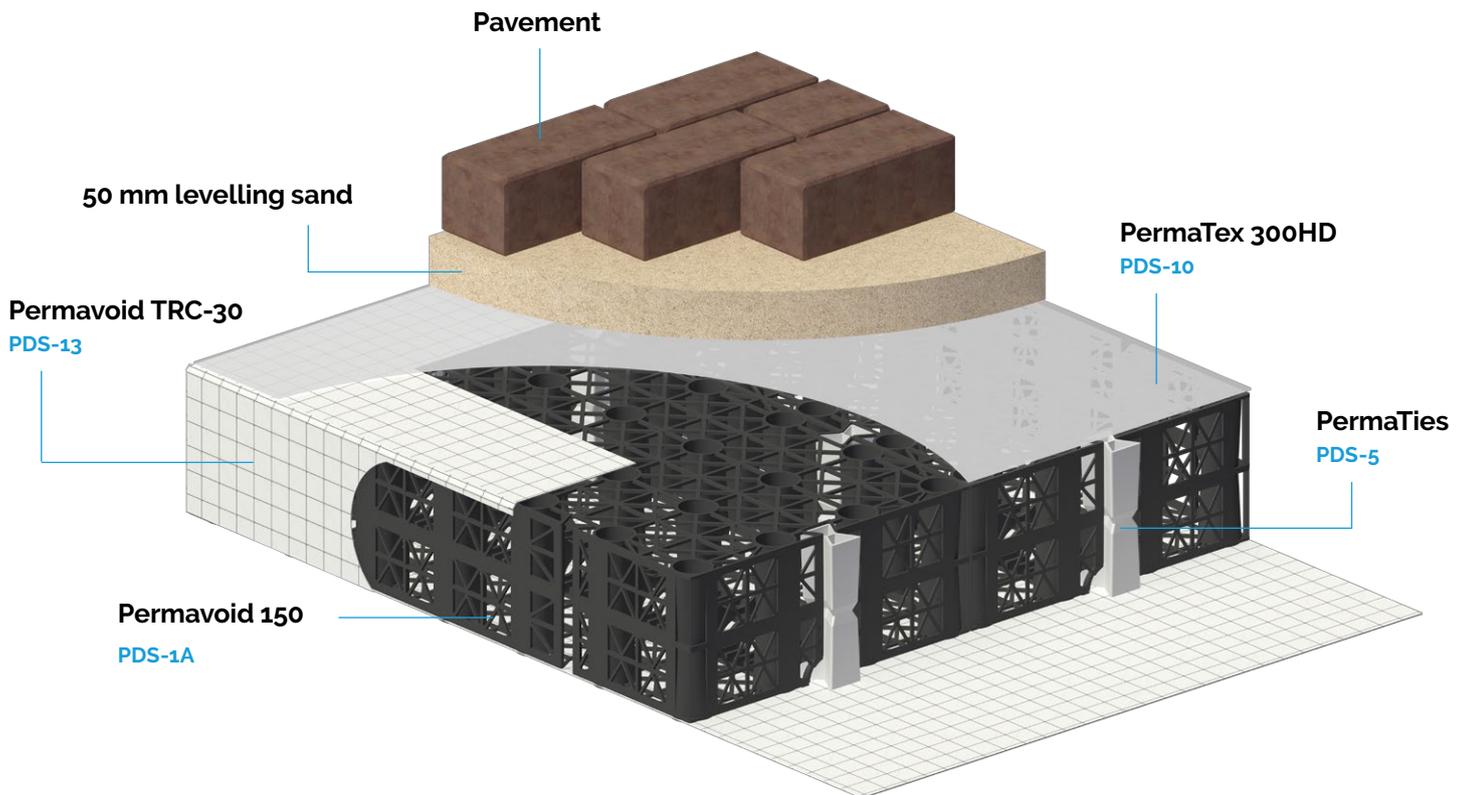


# THE PERMAVOID SANDWICH CONSTRUCTION FOR HEALTHY URBAN TREES



## Optimal growing site for trees in dense urban areas

In a situation where trees are expected to grow in an urban and paved environment, compaction of the soil, superficial tree roots damaging the pavement and greatly reduced soil-gas exchange are known growth-limiting factors. The Permavoid Sandwich Construction eliminates these by creating a shallow, stable and open subbase for the hardscape to ensure optimum load distribution and high load bearing capacity, preventing compaction of the rootable soil volume underneath. The system is used in parking lots, residential areas, malls and bicycle paths, with a free choice of pavement systems like block pavers, concrete or asphalt.

## Case studies



De Deel, Emmeloord



Damrak, Amsterdam



IJburg, Amsterdam



IJburg, Amsterdam

### Note:

The Permavoid Sandwich Construction has to be used in combination with a suitable soil. This soil is characterized by a narrow bandwidth in grain size distribution, sufficient organic material to provide the tree with nutrients for a longer period of time, enables root growth in the entire volume and facilitates soil gas exchange. These types of soils are referred to as (Amsterdam) Tree Sand or Sand Based Structural Soils. The quality of the applied Tree Sand and correct application are essential and integral requirements of a successful growing site for trees with the Permavoid Sandwich Construction. More details on the soil specifics are available upon request.

Visit [www.permavoid.com](http://www.permavoid.com) to download our latest company brochures and product data sheets (PDS).

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