



INFLO

PERMEABLE PAVER

FEATURING INTEGRATED TONGUE-AND-GROOVE INTERLOCK SYSTEM

**STORMWATER MANAGEMENT FOR ROAD TRAFFIC, LIGHT TRAFFIC AND
PEDESTRIAN APPLICATIONS**

THE INFLO PAVER IS A PERMEABLE PAVEMENT SOLUTION THAT REDUCES URBAN RUNOFF WHILE IMPROVING THE QUALITY OF THE WATER RETURNING TO THE ENVIRONMENT. ITS MECHANICAL INTERLOCK SYSTEM PROVIDES GREATER STABILITY TO THE PERMEABLE PAVEMENT AND MAKES ITS APPLICATION SUITABLE FOR AREAS WITH HEAVY VEHICULAR TRAFFIC.



(H × D × L)
 100 × 200 × 300 mm
 3 15/16 × 7 7/8 × 11 13/16 in

The INFLO permeable pavement system allows water from precipitation to pass through the paver joints filled with clean aggregate (with an initial infiltration rate of 837 in./hr [21267 mm/hr]). The INFLO paver incorporates 1/2 in. (13 mm) joints creating a surface opening area of 5.8%. The water is then temporarily retained in the base/subbase structure before being naturally infiltrated into the ground and/or discharged through a drain.

BENEFITS

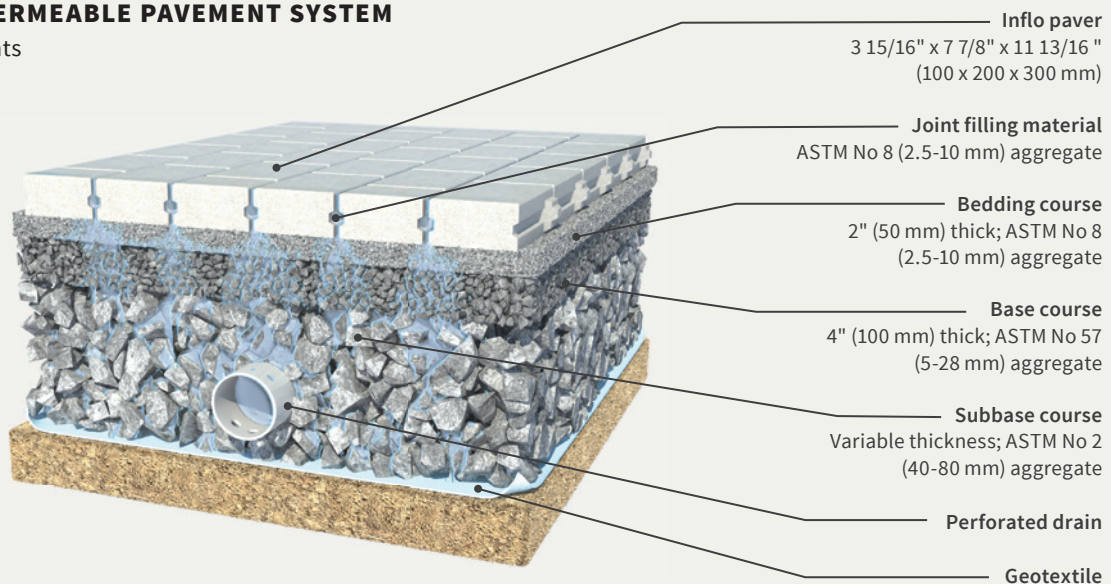
- Integrated mechanical interlock system designed for road traffic applications (buses and heavy trucks)
- Reduces, or in some cases, eliminates the need for underground retention basins and surface retention ponds
- Reduces the volume of rainwater conveyed to the underground drainage system.
- Temporarily retains water and discharges to the sewer over an extended period, therefore reducing network overload and missing peak flows.
- Reduces potential risk of erosion and flooding associated with increased runoff rates and volumes
- Improves water quality through different treatment processes involved
- Promotes groundwater recharge
- Helps to reduce heat island effects
- Gain credits for LEED certification

APPLICATIONS



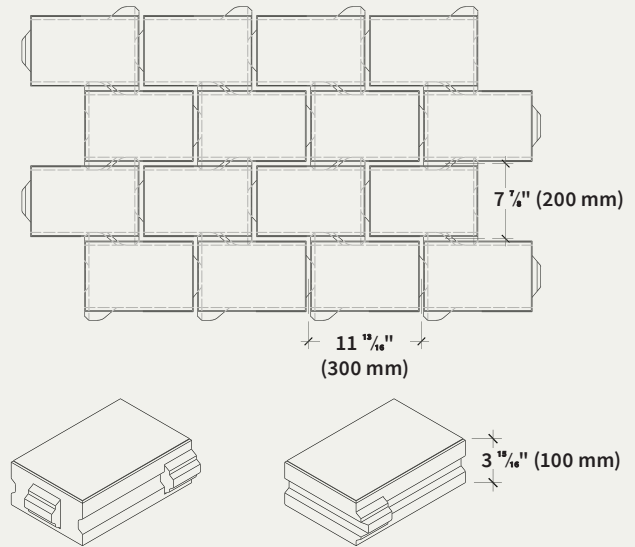
INFLO PERMEABLE PAVEMENT SYSTEM

Components



UNIQUE MECHANICAL INTERLOCK SYSTEM

The INFLO paver's mechanical interlock system ensures load transfer to adjacent paving units. This is in addition to the traditional interlock achieved by the dimensions, laying patterns, and joint fill material. The increased load bearing capacity can reduce the load typically transmitted to the underlying foundation.



Techo-Bloc offers the TB-100si, a machine specially designed for the installation of Inflo permeable pavers.



AN EFFECTIVE COLD CLIMATE SOLUTION

The INFLO permeable paver meets the freeze and thaw durability requirements of the CSA A231.2 standard. Experience with permeable pavers has shown excellent performance in cold climates. If water freezes, voids in the granular reservoir structure (representing 30 to 40 % of the reservoir volume) allow sufficient space to accommodate water expansion and the risk of heaving is thereby minimized. If ice and snow accumulation on the surface are avoided (snow removal as for any other type of paving), the infiltration capacity is not affected by frost.

AN EFFECTIVE TREATMENT SOLUTION

Filtration, infiltration, adsorption, volatilization and microbial degradation are among the processes that can occur at different levels in a permeable paving system that reduces total suspended solids (TSS), nutrients, heavy metals and hydrocarbons. The results of the tests carried out on an industrial site in Chambly (Canada) demonstrated that the INFLO permeable pavement system could reduce on average up to 93% of TSS and 77% of total phosphorus from the snow melt water.



SHALE GREY
SRI: 26

GREY
SRI: 34

CHESTNUT BROWN
SRI: 25

SRI = Solar reflectance index

To learn more about segmental permeable pavements and the benefits of the INFLO system, go to:

[YOUTUBE.COM/TECHOBLOC](https://www.youtube.com/techobloc)

Search for keyword "Inflo"



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