

**Infiltration Rate Testing per ASTM C1781**

TRUEGRID is not like traditional permeable paving that requires routine maintenance such as power washing or vacuuming to maintain permeability. TRUEGRID is designed to use a clean/washed angular stone for the base and fill material which has 40% void space. These large void spaces allow TRUEGRID to maintain permeability over the life of the product without any routine maintenance.

A third-party geotechnical firm conducted infiltration rate tests per ASTM C1781 to determine the surface infiltration rate of TRUEGRID. The tests were conducted in both the drive lane and parking spaces to compare high traffic areas. The results are presented in the summary table below.

*Table 1: Summary of ASTM C1781 Infiltration Rate Test*

Project	Date Installed	Size (sf)	Infiltration Rate (in/hr)	
			Drive Lane	Parking Space
1	Oct 2015	11,000	2,160	2,160
2	Dec 2016	10,000	1,649	1,424
3	Feb 2017	10,000	1,152	3,205
4	Aug 2017	3,500	1,367	N/A
5	May 2018	653,400	3,486	4,586

The results show the storm water instantly drains through the surface of the TRUEGRID whether its in a high traffic drive lane or a parking space.

