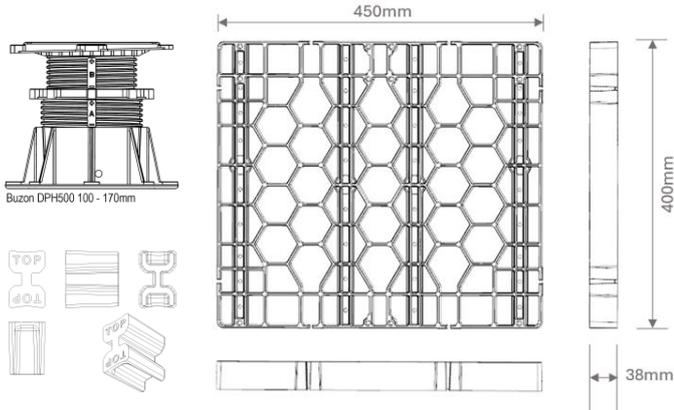


## TRAVERTINE TILE - POINT LOAD TEST STATEMENT



### TEST PURPOSE AND CLASIFICATION

This document provides a transparent, repeatable description of the point load testing carried out on the Silca System with a natural stone finish. It is intended for use in technical literature, specification packs, to support comparative evaluation by architects, engineers, specifiers and builders.

### Indicative Point Load Demonstration Test Single Specimen

This test provides an indicative measure of concentrated load capacity for a representative assembly. Results are not statistical and apply only to the specimen tested.

### TEST CONFIGURATION

**System:** Silca System structural grates

**Support:** Buzon adjustable pedestals positioned at each corner of the Silca Grate per usual install method.

**Finish:** 20 mm travertine tile, adhesive-bonded to the grate using SMP45

### Load Application

**Indenter:** 20 mm flat-faced steel disc point load

**Load Point:** Tile centre, Grate centre, above mid-span of a grate cell (not over a central pedestal head)

**End Point:** Load applied until ultimate failure (crack) of the travertine tile

### REFERENCE

Testing performed by: MTL Laboratories, Auckland, New Zealand

Report Reference: MTL Report No. J69249/1

Date Tested: 27 January 2026

Full report can be supplied upon request

### RESULTS

Travertine tile failure load (20 mm point load):  
**5.69 kN ( 580 kgf )**

*Silca Grates, pedestals, and associated system components remained intact with no observable damage or deformation.*

### Notes:

Results indicate the load relating to the travertine tile specimen only and does not represent the full system load capability, which is significantly higher. Refer to the Silca System (TDS) for full system load data.

Single-specimen, indicative test only, variations in natural stone tile may affect result.

Results apply to the configuration described.

System must be installed in accordance with Silca System manufacturer's installation requirements and applicable project specifications.



All performance data presented herein is based on combined information provided by Silca System, Merx Pacific Ltd, Buzon, Viking Roofspec, and Sabre. Values are based on the single laboratory test referenced and manufacturer-supplied system information. Users must verify suitability for specific project conditions. Merx Pacific Ltd assumes no liability for improper installation or use outside the scope of referenced guidelines and standards.

