PRODUCT COMBO
SILCA SYSTEM ON ADJUSTABLE PEDETSAL

BUZON SCREWJACK



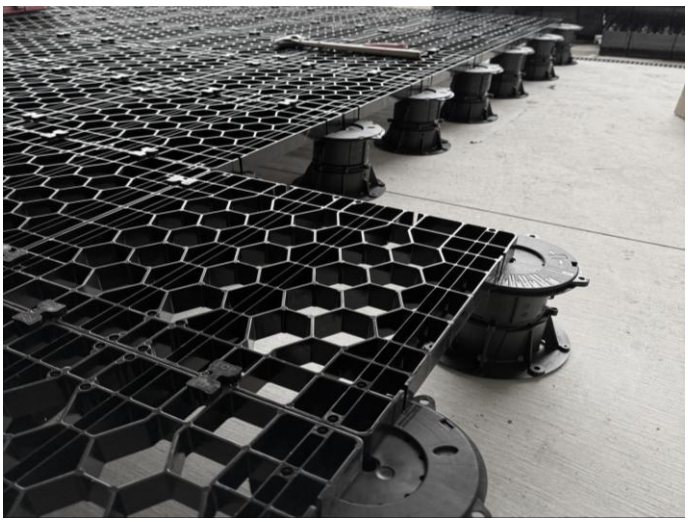
OVER-MEMBRANE

SILCA SYSTEM GRATES INSTALLED ON ADJUSTABLE PEDETALS

DIRECT ON BUZON PEDESTAL

Silca System Grates install directly onto adjustable pedestals and are now fully optimised for over-membrane applications when paired with the Buzon Adjustable Pedestal DPH range.

Engineered for demanding residential and commercial environments, the system provides a rigid, ventilated, and permeable support platform for tiles, natural stone, pavers, or artificial turf. The combined Silca + Buzon solution meets E2/AS1 requirements for over-membrane installations, including level-entry thresholds, while offering a robust and cost-effective alternative to traditional structural substrates.



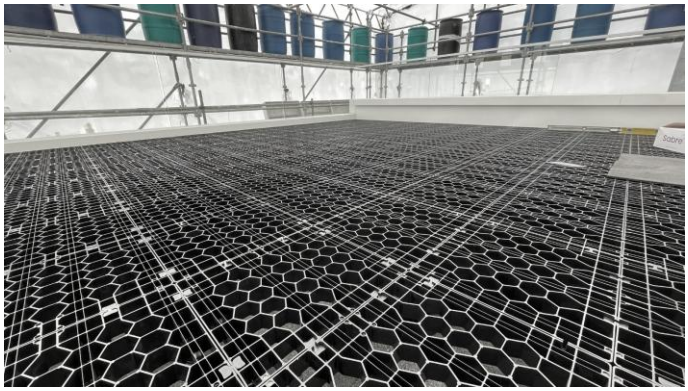
KEY BENEFITS:

DIRECT INSTALLATION ON ADJUSTABLE PEDESTALS

Silca System Grates installed directly with the Buzon DPH Adjustable Pedestal Range, creating a fully supported, ventilated, and permeable platform for exterior surfaces over membrane or slab. Each pedestal supports the corners of adjoining Grates, delivering consistent performance, simplified levelling, and reliable compliance across the deck structure.







SUPPORT FOR A RANGE OF SURFACES

The system provides a rigid, structurally compliant substrate for non-structural finishes including natural stone, terrazzo, porcelain tiles, concrete pavers, or artificial turf. The interlocked Grates distribute loads evenly across the surrounding element, preventing cracking or failure while maintaining full design flexibility and access zones where required.



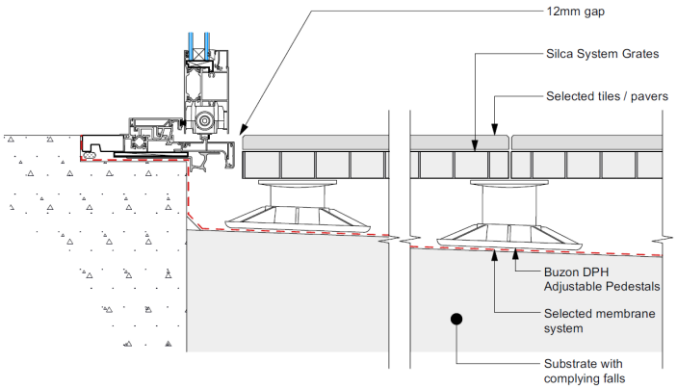
FLEXIBLE PACKAGE OPTIONS

Supply packages can be tailored to suit residential or commercial projects, including complex membrane applications, threshold transitions, and designated access zones for services, maintenance or drainage.

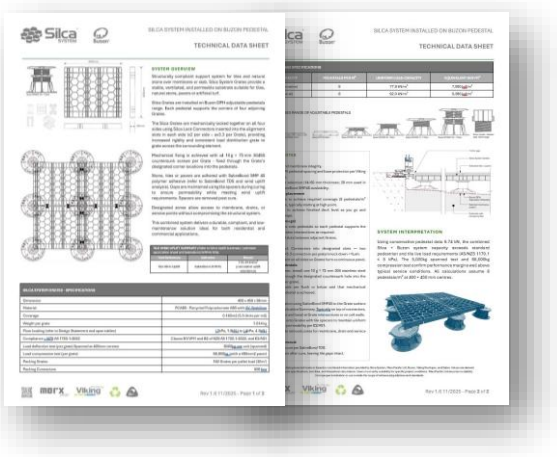
TECHNICAL HIGHLIGHTS:

DURABILITY & LOAD-BEARING CAPACITY

Silca System Grates are engineered and tested for high-traffic commercial and residential environments. Load performance includes 5,000 kg spanned testing at 400 mm centres and 68,000 kg compression testing, confirming significant performance margin above AS/NZS 1170.1 live-load requirements. When combined with Buzon DPH pedestals (typical 11.5 kN capacity), the system achieves uniform load capacities exceeding standard pedestrian and tile surface requirements.



Further data and specification, refer to our Technical Data Sheet TDS





SUSTAINABILITY & COMPLIANCE

Manufactured in New Zealand from 100% recycled PCABS, UV-stabilised for exterior durability, and classified as a green-build product. The combined Silca + Buzon system meets structural and durability requirements under B1/VM1, B2 (NZS AS 1720.1:2022), and E2/AS1 for permeable surfaces, including low-threshold level-entry specification. The system is mechanically locked, screwed, and adhered to meet performance expectations in wind uplift and long-term service conditions.

NZ-MADE USING 100% RECYCLED MATERIALS

All Silca System Grates and connectors are produced locally using recycled engineered polymers, reducing environmental impact while delivering high dimensional stability, low maintenance, and long service life.

Product	Description and features	Product Code
	**Silca Grates** The key element to the Patented Silca System is the Grate. This is the 400x450x38mm structural component that screws direct to the timber or aluminium deck frame and provides the solid flat surface on which to lay almost any kind of paving. (5.5 per sqm) **Features:** a) strengthening ribs and hex cells to spread and transfer load across the decking element and down onto the joist. b) pre-formed countersunk holes designed to guide the screws into the joist at the correct position. c) a second row of fixing so grates can be uniformly trimmed to slot in between joists should more height clearance be required. d) free draining design for minimum moisture retention and maximum airflow. e) micro flex to absorb any movement within the decking element and reduce risk of any tile or grout disturbance f) UV stable g) manufactured from 100% recycled materials. Green Building Product	6255BL0162A
	**Silca Connectors** Lock Connectors specifically designed for use with the Grates. (3.3 per grate) These interlock each Silca Grate to the next on all four sides. X2 Connectors per side and greatly increase rigidity and consistency across the system, resulting in an incredibly strong, continuous decking element. They also provide some added spot adhesion points for during tile install. We specify using Lock Connectors when Grates are installed over any floating frame, typically over membrane. For over solid timber deck frame they are not 100% required, however still greatly increase strength, stability and rigidity to the decking element.	6461BL0000
	**Screw Fixings** Stainless Steel screws for mechanically fixing the grates to the adjustable pedestals, locking everything inplace. (x4 Screws per Grate) These are designed to seat perfectly into the predesignated, countersunk holes at the edges of the Silca Grates. Coarse thread and long shank for optimum efficiency and hold.	DCS30410G75-1000 DCS30410G75-500 DCS30410G75-250
	**Buzon Adjustable Pedestals** Buzon Adjustable Pedestals are designed for use beneath the Silca System to create elevated tiled, paved and external flooring applications over waterproof membranes or slab. Manufactured in Europe from high-performance recycled materials, Buzon pedestals provide precise height adjustment, excellent load-bearing capacity and efficient drainage beneath the deck surface. Combined with the Silca System's structural support grates, they create a robust, stable and accessible elevated flooring solution suitable for residential and commercial projects.	DPH
	**Tile Adhesive** For spot glue adhesion of tiles and pavers direct to the Silca Grates. (x1 600ml sausage per 2 sqm) SabreBond SMP45 is a high grade multipurpose adhesive that boasts extremely high flexibility for demanding applications. It is suited for both industrial bonding and sealing applications, and specialised construction sealing. It has a wide adhesion range to most construction materials, including most metals, timber and most plastics.	1300161

Our DPH-series

Fixed Adjustable

DPH-series without integrated slope corrector

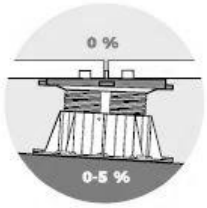


DPH-F17	DPH-F28	DPH-1	DPH-02	DPH-2	DPH-3
11 0682	*11 0684*	*11 2378*	*11 0683*	*11 0685*	*11 0687*
17 mm	**28 mm**	**18-28 mm**	**25-36 mm**	**35-53 mm**	**50-78 mm**

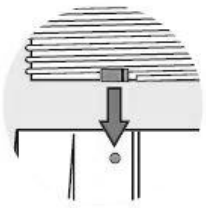
DPH-series with integrated slope corrector



DPH-02-PH5	DPH-2-PH5	DPH-3-PH5	DPH-4-PH5	DPH-5-PH5	DPH-6-PH5	DPH-7-PH5
11 2356	*11 0686*	*11 0688*	*11 0691*	*11 0693*	*11 0767*	*11 0768*
33-44 mm	**44-57 mm**	**55-79 mm**	**77-108 mm**	**100-175 mm**	**175-285 mm**	**285-400 mm**



Integrated **slope corrector**



An unscrewing safety system preventing each element from detaching **at the maximum height reached**



Further technical info TDS and E2/AS1 extract can be found here: www.silcasystem.co.nz/resources/

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