

Technical Data Sheet

Product Category	Natural Stone
Product name	Granite
Material	Granite
Finish	Flamed
Colour Options	White, Grey, Black

Urban Paving's Granite Pavers are designed to elevate the aesthetic and functional appeal of any outdoor space. Imported granite with various colours providing a sleek and contemporary look ideal for various applications. These pavers are perfect for residential patios, walkways, and general light traffic areas. The manufacturing process ensures they can withstand significant foot traffic and weather conditions, making them a versatile choice for both aesthetic and practical outdoor projects.

Size (mm)	Thickness (mm)	Number per m ²	Weight per Paver (kg)	Number per Pallet	Weight per Pallet (kg) <small>*excludes pallet weight</small>
600 x 600	20	2.78	21.6	50	1080

Other

	Size (mm)	Thickness (mm)	Edge (mm)	Weight per Paver (kg)	Number per Pallet	Weight per Pallet (kg) <small>*excludes pallet weight</small>
Drop Face	600 x 400	30	30/60	23.2	40	940
Drop Face	600 x 300	30	30/60	18	70	900
Drop Face Corner (internal)	480 x 480	30	30/60	20.8	40	832
Drop Face Corner (external)	400 x 400	30	30/60	14.4	40	576
Double Pencil Edge	600 x 300	30	30	16.2	70	1134

Imported from China.

Relevant Building Code Clauses

B1 Structure - B1.3.1 - Urban Paving Granite Pavers are cut from natural stone and meet or exceed NZS 4456.5:2003 for breaking load and Modulus of Rupture.

B2 Durability - B2.3.1 - Urban Paving Granite Pavers have durability of 10 years when laid and installed correctly.

D1 - Assess Routes - D 1.3.3(d) - Urban Paving Granite Pavers are manufactured with a slip resistance classification minimum of W, as required by NZS 3116 when tested to AS/NZS 4586.

F2- Hazardous materials - F2.3.1 - Urban Paving Granite Pavers are free from hazardous materials and safe for use in building projects.

Compliance

	Test Standard	Result
Breaking Load KN (600 x 600mm)	AS/NZS 4456.5:2003	4.1
Breaking Load per 100mm KN		4.1
Modulus of Rupture		20.9
Coefficient of friction (COF)	AS 4586:2013	0.60 V
Slip Resistance Classification of New Pedestrian Surfaces		55
		P5

V ≥ 54 high slip resistance **X** 35-44 low slip resistance **Z** ≤25 Extremely low slip resistance

W 45-54 moderate slip resistance **Y** 25-34 very low slip resistance

Technical Parameters

	Test Standard	Standard	Notes
Compressive Strength	AS/NZS 4456.4:2003	>4MPa	Not tested, The typical compressive strength ranges between 100 to 250 MPa
Water Absorption:	AS/NZS 4456.14:2003	N/A	Not tested, typically has a very low water absorption rate between 0.1% to 0.6% by weight
Density	AS/NZS 4456.8:2003		Density in the range of 2,630 to 2,750 kg/m ³
Frost Resistance	ASTM C1262		Not tested, Due to low water absorption low risk for frost damage
Dimensional Tolerance	AS/NZS 4456.2:2003	N/A	+/- 2mm

Limitations

Urban Paving Granite Pavers are designed for foot traffic only.

Design requirements

Pavements should be designed in consultation with a qualified civil engineer and within the guidelines of NZS3116:2002. For small projects refer to our Installation guide here.

Granite Paving Care and Handling Instructions

Handling

- **Proper Lifting:** Always lift granite tiles by the edges rather than dragging or pulling to prevent chipping or cracking. Use appropriate lifting equipment when handling larger tiles or slabs.
- **Storage:** Store granite tiles in a dry, shaded area on a flat, stable surface. Keep them covered to protect against rain, dirt, and direct sunlight. Storing the tiles vertically can help prevent warping.
- **Transportation:** Transport granite tiles carefully to avoid breakage. Use padded supports and secure the tiles to prevent movement during transport. Avoid stacking them too high to reduce the risk of cracking.
- **Unpacking:** When unpacking granite tiles, take care to remove any protective packaging without using sharp objects that could scratch the surface.

Care

- **Regular Cleaning:** Sweep the surface regularly to remove dirt and debris. For deeper cleaning, use a mild, pH-neutral cleaner suitable for natural stone. Avoid acidic or abrasive cleaners that can damage the granite.
- **Sealing:** While granite is naturally resistant to weathering, sealing can enhance its resistance to stains and moisture. Apply a high-quality stone sealer according to the manufacturer's instructions, and reapply as needed based on traffic and exposure.
- **Stain Removal:** If stains occur, treat them promptly using appropriate stone-safe cleaners. For oil-based stains, a poultice may be necessary to draw out the stain from the stone.
- **Avoid Heavy Impacts:** Granite is durable, but heavy impacts or sharp objects can still chip or crack the surface. Take care when moving furniture or heavy objects across the Pavers
- **Weed and Moss Control:** Regularly inspect and remove any weeds or moss that may grow between the joints of the tiles, as they can cause shifting or damage over time.