INSPIRED BY NATURE, REVOLUTIONISED BY SUREFOOT







SUREFOOT SYSTEMS & ACCESSORIES

THE SUREFOOT PRINCIPLE

Surefoot's engineering principles are based on a combination of shallow and deep foundation design methodology. It uses the theory of bearing capacity of a shallow foundation, plus the skin friction and toe resistance of a deep foundation in all soil types through a fully certified footing design. Micro piles are driven with a jackhammer. The footing has instant capacity and does not disturb the ground, therefore affording tremendous efficiency of time, labour, material and project cost.

Low cost, time saving, high strength & instant bearing capacity-Surefoot pile cap mimics a tree's root system through a series of steel micro piles in a battered array, resolving foundations at relatively shallow depths and efficient transfer of load and uplift forces with minimal soil disturbance.

SUREFOOT VS CONCRETE

	SUREFOOT	CONCRETE
Fixed costs	~	
Excavations required		×
Dirt or spoil removal off site or relocation on site		×
Engineering inspection required		×
Concrete pump required		×
Propping materials for setting up posts		×
Gravel for bottom of post holes		×
Instant bearing capacity of foundations so your works can continue same day	~	
Workplace health & safety risk	LOW	HIGH
Total installation time	SHORT	LONG
Rain delays - post holes full of water		×
Number of trades and materials required to organise	2	UP TO 10
Access issues for machinery & materials		*
Environmentally friendly	~	
Reestablishment of landscape required		×
Adjustable in both plumb & level after your foundation is installed	~	



SUREFOOT FOOTINGS ARE

- High strength
- Simple
- Cost effective
- Quick to install
- Minimal soil and site disturbance
- Recyclable and reusable
- Suitable for large floor spans of up to 4m
- Suitable in cyclonic regions
- Ideal for remote areas and difficult terrain
- Backed by our technical support team
- Independently tested to ASTM piling standards
- Green solution for low carbon footing system
- Ability to support various types of loading such as compression, uplift, lateral loads and bending moments
- Suitable in any penetrable soil such as sand, silt, clay, fine gravels and even sedimentary rock

COST SAVINGS SUSTAINABLE

"Surefoot's aim is to inform all industries that there are better, faster, cleaner and easier alternatives than using concrete."

SF250

Bolting pattern: 140 centres x 4 x 22 slotted holes Micro Piles: 4 x 32NB (Nominal Bore) 42.40D Galvanised Pipe Light, Medium, Heavy

Load capacity: Up to 110kN Average installation time: 10 minute approx 4 way, 3 Way, 2 Way.



SF500

Bolting pattern: 233-300 PCD x 4 x 22mm holes 350-400 PCD x 4 x 26mm holes

Micro Piles:

12 x 32NB (Nominal Bore) 42.40D Galvanised Pipe Light, Medium, Heavy Load capacity Up to 300kN



Average installation time: 25-30 minutes approx

Surefoot Load capacities are indicative and are dependent on soil type and pile embedment depth, for specification, please contact Surefoot directly.

TIME SAVER NO HEAVY EQUIPMENT QUALITY MATERIALS



Micro Piles: 6 x 32NB (Nominal Bore) 42.40D Galvanised Pipe Light, Medium, Heavy

Load capacity: Up to 160kN Average installation time: 15 minu

SF600

Bolting pattern:

Micro Piles:



Galvanised Pipe Light, Medium, Heavy Load capacity: Up to 360kN

350-400 PCD x 4 x 26mm holes 432-500 PCD x 4 x 32mm holes

16 x 32NB (Nominal Bore) 42.40D

Average installation time: 40 minutes ap











SUREFOOT SYSTEM SIMPLE INSTALL







Adjustable universal base bracket With angle M20 / M12 bolt



Steel stump 75 x 75 / 90 x 90 / 100 x 100





12mm adjustable baseplate 4 way adjustability



Adjustable universal top bracket with angle 2 x M12 bolts





FULLY & SEMI ADJUSTABLE



- Housing ideal for sloping sites
- Prefabricated structures
- Modular construction
- Decking
- Pergolas
- Fencing
- Sheds
- Carports
- Shade structures/ sails
- Playground equipment
- Green building
- Temporary structures



- Deck footings
- Shade sails
- Umbrellas
- Fences
- Backyard sheds
- Light poles
- Stock yards
- Remedial work
- Retaining walls & sound barriers
- Light poles





















- Commercial construction
- Portal frame construction
- Civil construction
- Concrete slab support
- Suspended floors/ slabs
- Cyclonic tie downs
- Stabilisation
- Boardwalks and jetties
- Bus shelters
- Bridges
- Winch points















- Defence industry
- Mining industry
- Energy industry
- Signage, banner & flag industry
- Communication industry
- Tethering industry
- Event industry
- Renewable energy, solar & wind farms
- Renovations
- Underpinning
- Restricted access sites















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CONTACT

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NEW ZEALAND AND AUSTRALIAN STANDARDS

AS 2870-2011 AS/NZS 4600-2005 AS/NZS 1170.2-2011 AS 2159-2009

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SP-LINE

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AS/NZS-2041.1 2011 AS/NZS-4680:2006 AS 3566.2-2002 AS 1726-1993 ASTM TESTING

ASTM 1143 ASTM 1143-81 ASTM D1143/D1143M-07 ASTM D3689 FHWASA-97-070

EUROCODE TESTING

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EUROCODE EN1990 EUROCODE 1 EN1991 EUROCODE 3 EN1193 EUROCODE 7 EN14199 EN12699