

SECTOR

STRUCTAPAD

WHAT IS STRUCTAPAD?

STRUCTAPAD is an innovative foundation solution designed to replace traditional concrete footings in modular construction. Crafted from high quality recycled plastics, STRUCTAPAD offers a cost effective and eco friendly foundation that supports both single and double storey buildings with up to 300KN structural loading capability.

Its lightweight, fibre reinforced composite design ensures exceptional strength while being easy to handle and install, significantly reducing construction time and labour costs. Engineered to withstand harsh weather conditions, STRUCTAPAD is rot resistant and durable, providing a long lasting foundation for various structures.

STRUCTAPAD presents a seamless, sustainable, and efficient approach to modern construction needs. Additionally, STRUCTAPAD can be purchased or hired, offering flexibility to suit your project's specific requirements.



WHY CHOOSE STRUCTAPAD?



COST EFFECTIVE

An affordable alternative to traditional concrete foundations, helping you save on both materials and labour without compromising on quality.



RECYCLED MATERIALS

Crafted from high quality recycled plastics, STRUCTAPAD supports sustainable construction practices whilst reducing your waste and environmental impact.



FLEXIBLE FINANCE OPTIONS

STRUCTAPAD is available to purchase or hire, depending on your project requirements.



WEATHER RESISTANT

Engineered to withstand harsh weather conditions and resist rot, ensuring durability and reliability over time.



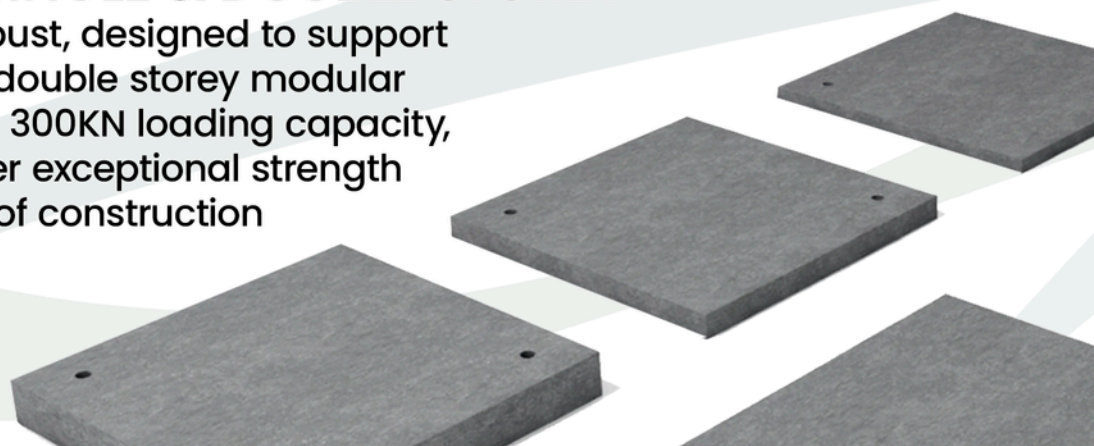
RAPID INSTALLATION

Designed for a quick and simple setup process, with full installation and removal services available to make your projects hassle free.



SUPPORTS SINGLE & DOUBLE STOREY

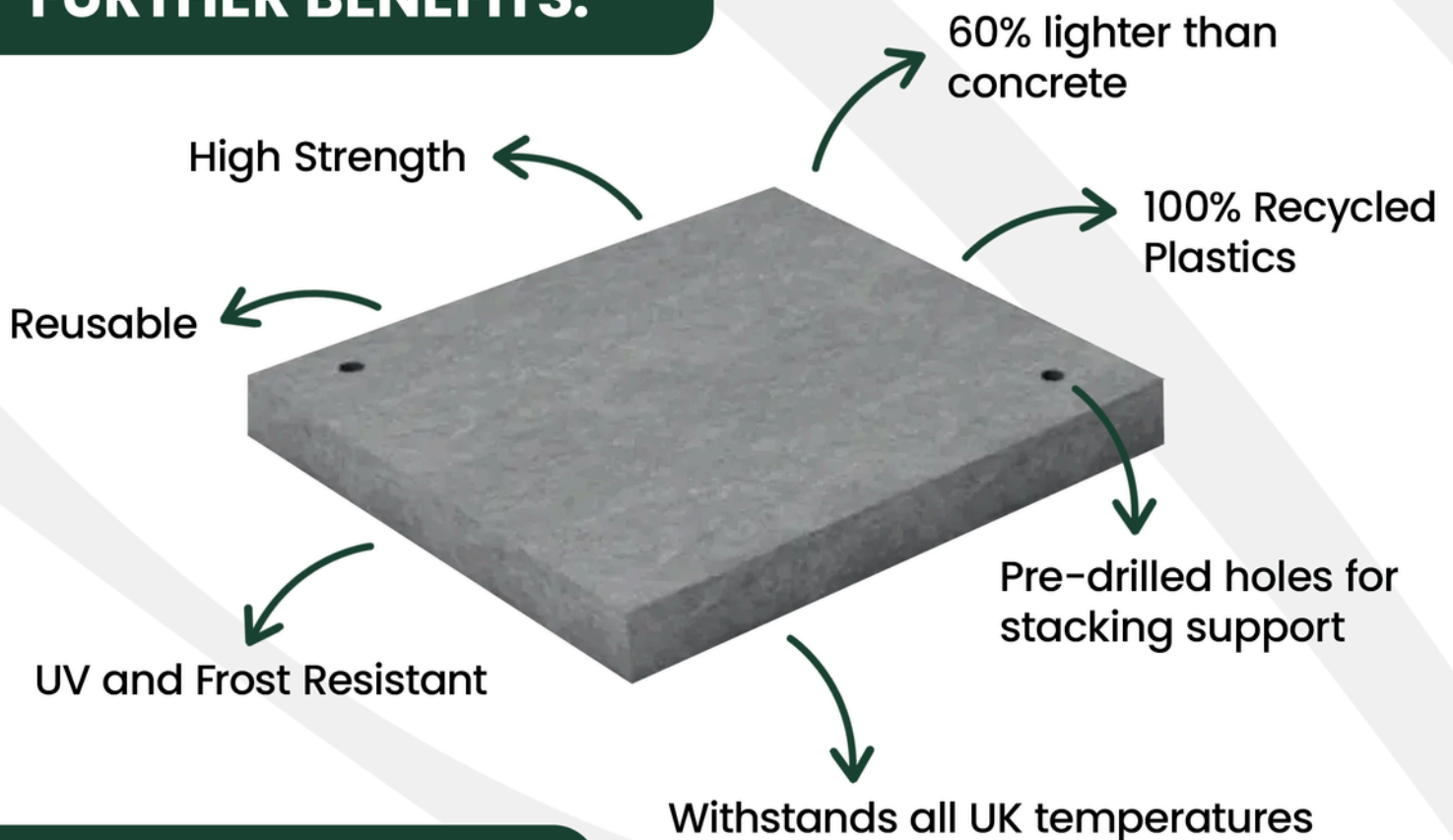
Versatile and robust, designed to support both single and double storey modular buildings. With a 300KN loading capacity, our solutions offer exceptional strength to a wide range of construction needs.



TECHNICAL SPECIFICATION

STRUCTAPAD's are manufactured from 100% recycled plastic materials, diverting waste from landfills and offering the advantage of being recyclable after use. In contrast, concrete foundations require demolition into large fragments at the end of their lifecycle, posing challenges for disposal and recycling.

FURTHER BENEFITS:



SIZES OF PADS:

STRUCTAPAD's are available in a standard size of 400mm x 400mm, with thickness options of 20mm, 30mm, and 50mm to accommodate various load bearing requirements.

To enhance load distribution and leveling during installation, metal shims can be placed on top of Structapad, ensuring precise alignment and levelling for your modular buildings.

20mm

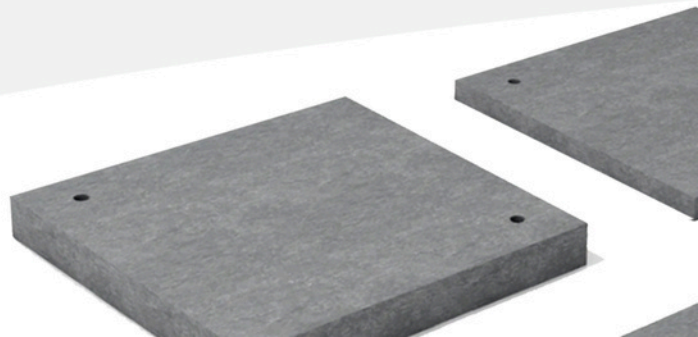
30mm

50mm

COMPARISON TABLE

STRUCTAPAD VS CONCRETE

	STRUCTAPAD	CONCRETE
BACKED BY STRUCTURAL CALCULATIONS	✓	✓
COST EFFECTIVE	✓	✗
REUSABLE	✓	✗
ENVIRONMENTALLY FRIENDLY	✓	✗
REDUCED LABOUR TIME	✓	✗
MINIMAL DELIVERIES TO SITE	✓	✗
AVAILABLE FOR HIRE	✓	✗
EASY TO HANDLE	✓	✗
ALL WEATHER INSTALLATION	✓	✗



STRUCTAPAD VS CONCRETE SPECIFICATIONS:

	STRUCTAPAD	CONCRETE
Load Capability	18MPa	15MPa
Durability	Rot free & mould resistant	Crumbles under extreme load & attracts mould
On a Pallet	Varies: 50 x 50 x 5cm – 80 Pc	Varies: 50 x 50 x 5cm – 30 Pc
Full Load (23,500kg)	2,080 units per load (26 pallets)	780 units per load (25 Pallets)
Typical Shipping Costs	1/2 of Concrete	2 x Plastic
Breakages in Transit & Use	NIL	Approx. 5%
Freeze-thaw Susceptibility	NIL	Approx. 5%
Ease of Installation	Quick & Easy by single installer	Slow & Heavy (2 person install)
Environmentally Friendly	Yes	No
Recycled Materials Used	Yes 100%	Not Normally
End of Life Recycling	Yes	No
Warranty	20 Years	None

DIMENSIONS & WEIGHTS:

STRUCTAPAD	CONCRETE
400mm x 400mm x 20mm, weight 3kg 400mm x 400mm x 30mm, weight 4.5kg 400mm x 400mm x 50mm, weight 7.2kg Use 2 No. 50mm units, weight 14.4kg 500mm x 500mm x 50mm, weight 11kg Use 2 No. 50mm units, weight 22kg	n/a n/a 400mm x 400mm x 50mm, weight 19.3kg 400mm x 400mm x 100mm weight 38.6kg 500mm x 500mm x 50mm, weight 30.6kg 500mm x 500mm x 100mm, weight 61.2kg

STRUCTAPAD IN ACTION

After the building had been set out by our in house site team, the STRUCTAPAD's were laid into position. Each pad was stacked to the required height, ensuring precise leveling across the site. To enhance support, we threaded reinforced steel bars through the pre-drilled holes in the pads. Once the steel bars were in place they were cut to the necessary height, resulting in a neat finish ready for foundation installation.

With the STRUCTAPAD's being approximately 60% lighter than traditional concrete pads, the reduced weight simplified the construction process – saving time and effort during building installation. A total of 140 piers were installed in 3 days within 2mm tolerance.

Once the hire period for the modular building has expired and the building has been removed, our team will remove the STRUCTAPAD's from site. As they are reusable, these pads can be used again for future projects. Offering a sustainable foundation solution.

Contact us for more information:

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Before:



After:

