



hanit® Foundation Pads vs. Concrete Foundation Pads (also known as Container Levelers/Support/Footing Pads)

hanit® Foundation / Footing Pads

The Environment: hanit® Foundation Pads are made from 100% recycled plastics which that would otherwise go to landfill and can be recycled at end of life just as easily. The system also comes with a 20 year warranty.

Load Capability: All the hanit® Foundation Pads have been tested to carry a maximum direct load of 45 tons without a problem, so the weight transferred from the fully loaded container to the support pad of 8,400lbs (4.2 tons) is easily accommodated. The hanit® Foundation Pads are so strong that they will even cope with several stacked containers without a problem.

Failure at maximum load: When load is applied to the hanit® Foundation Pads the ultra strong material compresses slightly as load is applied and doesn't crumble or cause a dramatic failure. All loaded pads compress at the same rate causing a gradual settling of the containers.

Recycled plastic is non-porous so doesn't absorb water and is therefore not affected by freeze-thaw cycles throughout its life and does not attract unsightly mold.

Weight: An average 2" thick hanit® pad weighs around 25lbs (60% lighter than concrete) and easy to reposition.

Re-Use & Storage: Recycled Foundation Pads can be re-used many times without the fear of damage in any container environment.

Unit Connection: hanit® Foundation Pads have integrated locking holes in opposite corners, so for multiple stacked situations two simple rebar lengths keeps the stack stable and secure.

Established use: Recycled plastic systems have been in use for over 30 years and our German facility alone ships more than 300,000 hanit® support pads every year into a fast expanding market.

Concrete Foundation / Footing Pads

The Environment: Although concrete is hewn from rock it is the extraction, process & application where it ceases to be environmentally friendly. At end of life it has to be smashed and removed in chunks.

Load Capability: Dependant on the type of concrete used the Foundation Pads are capable of taking high loads with some quoting figures of 1,900 - 3,000psi (but this is the strength of the concrete rather than its load capacity) other pads used as condenser pads quote a load capacity of just 1,704 lbs (750kg). A full container can impart a load of 8,400lbs (4.2 tons or 3,800kg) per support pad.

Failure at maximum load: When subjected to load the concrete resists it well until the first crack appears and then a dramatic failure occurs due to a crumbling of the material. This can happen to an individual pad causing an unstable stack of containers.

Concrete is porous and absorbs water so is susceptible to freeze-thaw cycles and over the course of several winters this will increase cracking leading to failure.

Weight: An average 2" thick concrete pad weighs around 67lbs and is heavy to move around or reposition.

Re-Use & Storage: Foundation Pads can be re-used but are prone to handling damage when stacked and redeployed within the container environment.

Unit Connection: Concrete Foundation Pads rely on their weight to stack one on another to build up multiple layers of support. Such stacks can be accidentally dislodged by a passing impact.

Established use: Concrete Foundation Pad systems are well established and have been used for many years throughout North America and the rest of the world, despite their obvious shortcomings.



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Feature	Hanit® Foundation Pads	Concrete Foundation Pads
Dimensions & Weights:	15¾" x 15¾" x ¾" weight 6.6lbs 15¾" x 15¾" x 2" weight 15.9lbs use 2 No. 2" units weight 31.8lbs 19⅝" x 19⅝" x 2" weight 24.6lbs use 2 No. 2" units weight 49.2lbs	n/a 16" x 16" x 2" weight 42.5lbs 16" x 16" x 4" weight 85lb 20" x 20" x 2" weight 67.5lbs 20" x 20" x 4" weight 135lbs
Load Capability	4,500psi (45 tons via 4" x 4" pad)	Typically 1,900 psi
Durability	Rot free & mold resistant	Crumbles under extreme load & attracts mold
On a pallet:	Varies: 19⅝" x 19⅝" x 2" - 80 Pcs	Varies 20" x 20" x 2" - 30 Pcs
Full load (43,000lbs):	1,600 units per load (20 pallets)	600 units per load (20 Pallets)
Typical Shipping costs:	1/2 of Concrete	2 x Plastic
Breakages in transit & use:	NIL	Approx. 5%
Freeze-Thaw susceptibility:	NIL	HIGH
Established use:	15+ years & increasing market share	Over 30 years & reducing market share
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

Main Points:

The hanit® Foundation Pads are manufactured from 100% recycled plastics that may otherwise go to landfill and can be easily be recycled at end of life - the product comes with a 20 year warranty. Each unit is lightweight (60% less than concrete) so it can be handled and installed by a single operator. The shipping costs are much less than concrete due to the lighter weight and units can be rough handled during offloading without breakages and are impervious to water penetration so they are completely safe during freeze-thaw cycles.

Plastic leveling & footing systems have been in use for over 20 years around the globe and annual sales of over 300,000 units is growing year on year, due to their inherent advantages.

Choose the hanit® Foundation Pads - Take advantage of a superior product.