

Height adjustable pedestals

ADVANTAGES

- Temperature-independent installation ⇒ Dry construction technology.
- Lightweight design ⇒ Minimal system weight; no unnecessary load on the slab, reduced material handling.
- High load capacity ⇒ Pedestals support up to 1000 kg per pedestal.
- Easy maintenance ⇒ The surface covering can be replaced without damage. Additional systems (water, electrical, etc.) can be easily installed and maintained beneath the surface. Waterproofing issues remain accessible and can be quickly repaired.
- Versatile surface compatibility ⇒ Suitable for natural stone, ceramic, porcelain stoneware, WPC, and wood decking.
- Reliable drainage even with a level surface ⇒ Open joints allow rapid rainwater runoff onto the waterproofing layer below, directing water towards drainage points.
- Durable ⇒ No risk of frost damage to the surface. The system protects the waterproofing layer, potentially extending its lifespan. UV-resistant, chemically and biologically resistant, made from strong polypropylene material.
- Eco-friendly ⇒ All system components are fully recyclable.
- Fast installation ⇒ Saves labor time compared to other systems. Pedestals can be installed along walls without cutting, and 60 mm extension elements can be easily stacked together instead of using threaded adjustments.



APPLICATION

With DiaTurtle® pedestals, all kinds of decking can be set exactly to a desired height. Laying concrete slabs or wood/WPC paving on pedestals without using grout or cement offers a number of advantages when constructing a terrace. A layer of air under the paving helps to protect the roof surface and cross-ventilation prevents algae growth, discolouration, efflorescence and discourages unwanted vegetation. The lack of gravel and a sand bed reduces load and sound emission. The space created under the paving makes it easier to lay and maintain wires and cables.

MŰSZAKI ADATOK

Material required based on tiles of different sizes*:	40 x 40 cm: kb. 7,3 db/m ² ; 50 x 50 cm: kb. 4,6 db/m ² ; 60 x 60 cm: kb. 3,1 db/m ²
DT Top diameter:	120 mm
DT Base diameter:	200 mm
Load capacity:	ca. 1000 kg / pedestal
Material:	Polypropylene

* Depends on the form of terrace surface.

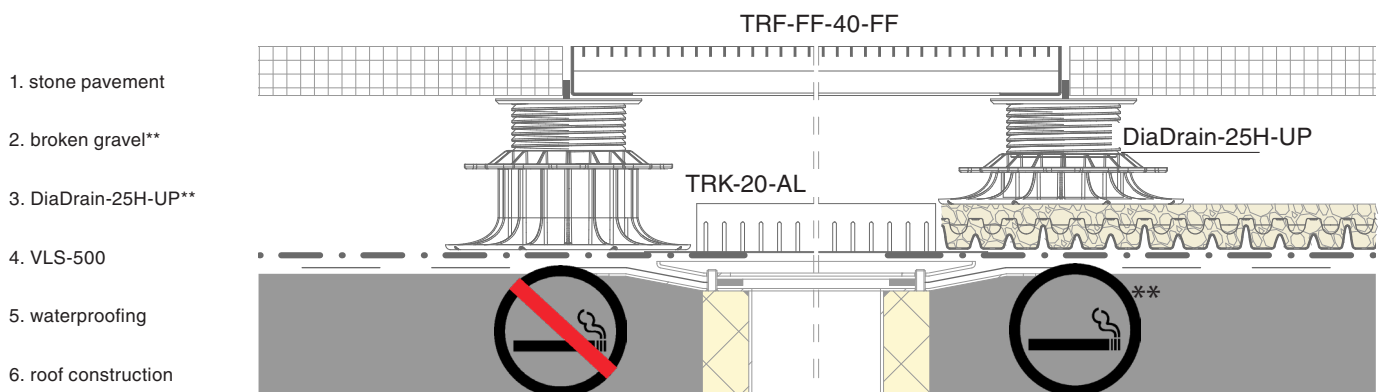
SPECIFICATION

Height adjustable, heavy duty polypropylene pedestal, designed for concrete slabs/gratings and for terraces with wooden or WPC decking. Resistant to UV radiation, adverse weather and chemicals. Temperature range: -20°C up to 120°C. Top/base support: D 120/200mm; with rounded base plate to avoid pressure damage in the roof waterproofing; load-bearing capacity per pedestal: ca. 1000 kg. Available accessories: for high-load surfaces and dynamic loads: DT-A counter lock for pedestals; for slope correction: DT-SC20 / DT-SC30 slope corrector (2% / 3%); DT-SC-Auto self leveling head (4%); for tile installations: DT-SH10 / DT-SH20 leveling shim; DT-SH50 noise absorbing shim (5,0 mm); (1,3 mm / 2 mm / 5 mm); for standard tile spacers in the field DT-J30, DT-J50 spacer tab; for custom joint sizes: DT-J20 / DT-J60 / DT-J80 spacer tab; DT-J30+ cross spacer (3 mm); DT-J50+ cross spacer (5 mm); cladding at wall junctions: DT-JCN-F 30 starter flexible spacer tab; DT-JCN50 starter cross spacer (5 mm); to close the sides of the cladding on free edges: DT-HFE head front cover; DT-HT Adjustable support for front cover; DT-HTA feet front cover; wood, for WPC cladding: DT-WF / DT-WFH/DT-WF94-1/2-F adjustable joint holder.

Product: DiaTurtle®

Producer's certificate: A.P.P. Kft.

Website: www.diadem.com



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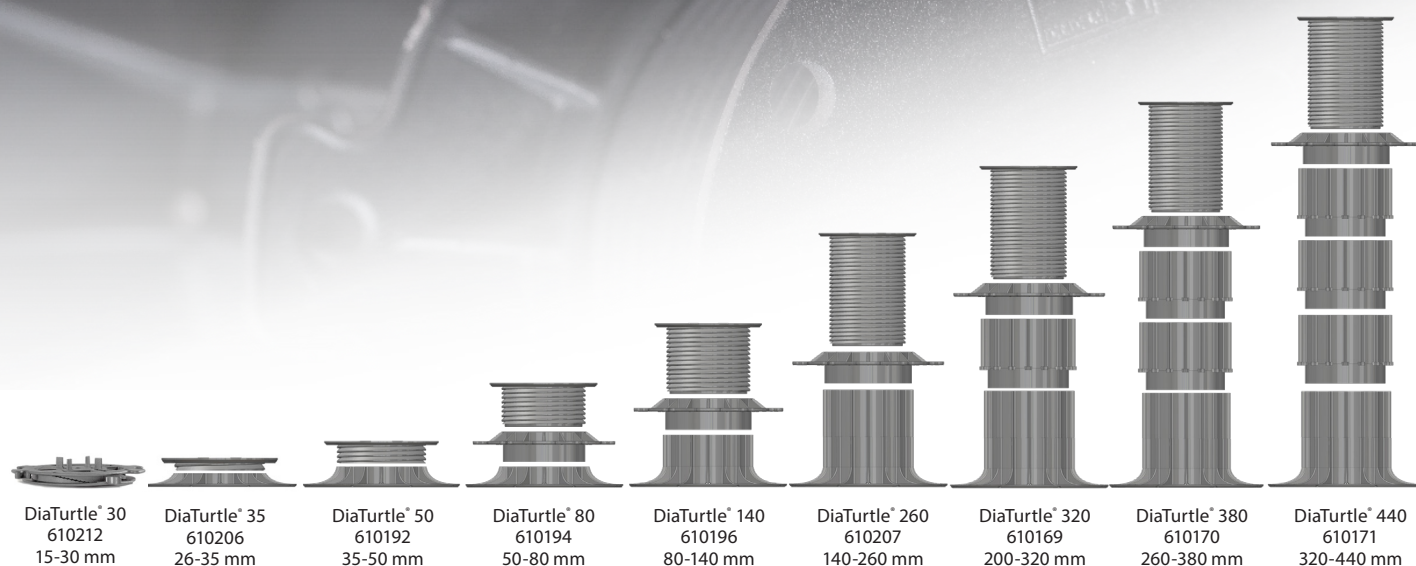
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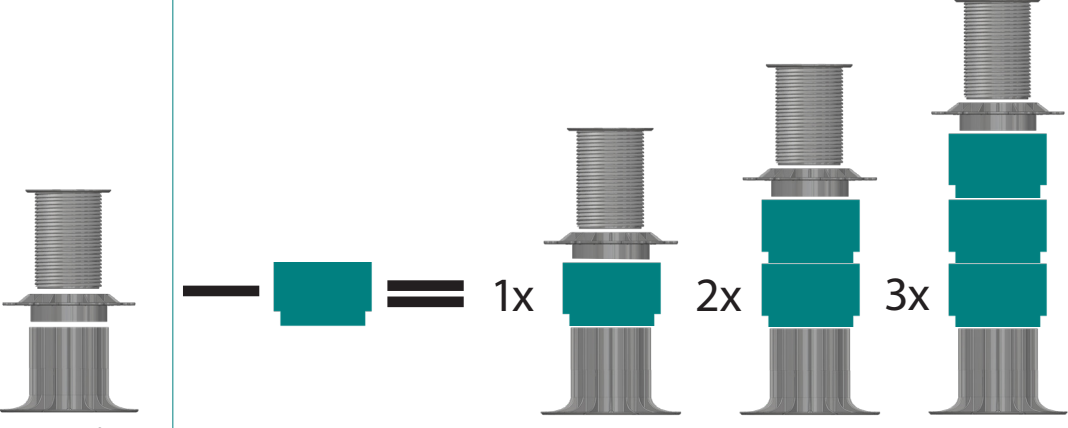
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SYSTEM COMPONENTS

DiaTurtle®	DiaTurtle® 30	DiaTurtle® 35	DiaTurtle® 50	DiaTurtle® 80	DiaTurtle® 140	DiaTurtle® 260
						
DT+ Height extension element						
	DiaTurtle® 260			DiaTurtle® 320	DiaTurtle® 380	DiaTurtle® 440



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ACCESSORIES

Fix pedestal (14 mm; 18 mm; 23 mm)

DiaTurtle®-14-Fix, DiaTurtle®-18-Fix, DiaTurtle®-23-Fix

Fix pedestals in different heights to support the decking for low installing height. The pedestals can fit into each other and have built-in tile support tabs. Product number: 14 mm: 610185; 18 mm: 610186; 23 mm: 610187



DT-J30+
DT-J50+

DT-J20, DT-J30, DT-J50, DT-J60, DT-J80

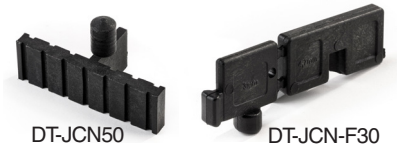
Spacer tabs (2.0 mm; 3.0 mm; 5.0 mm; 6.0 mm; 8.0 mm)

DT-J20, DT-J30, DT-J50, DT-J60, DT-J80

Spacer tabs with 3 and 5 mm standard width (5 mm complies with the FBB guidelines), and with 2, 6 and 8 mm custom widths. The spacer tabs can be attached in one move to the DiaTurtle® pedestals.

Product numbers: 2 mm: 610179; 3 mm: 610180; 5 mm: 610181; 6 mm: 610182; 8 mm: 610183

DT-JCN50 starter spacer tab, designed to be snapped into the edge hole of an inverted DiaTurtle® pedestal base placed next to the wall. It ensures the creation of an open joint along the wall. Product number: 610214
The DT-JCN-F30 flexible starter spacer tab features a short stem that can slightly rotate to accommodate uneven wall surfaces. Product number: 610219



DT-JCN50

DT-JCN-F30



Slope corrector (2%; 3%) DT-SC20, DT-SC30

Slope correctors for use with height-adjustable DiaTurtle® pedestals. 2% and 3% slope correction. By placing the pedestals on the slope correctors, roof level differences can be corrected. Combining the correctors can compensate for a slope of 4% (2% + 2%) or 5% (2% + 3%).

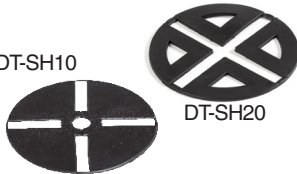
Product number: 2%: 610177; 3%: 610178

Auto slope corrector head

The DT-SC-Auto auto slope corrector (4%) is placed on top of the height-adjustable DiaTurtle® pedestal head. The slope corrector ensures that the horizontal top surface of the pedestal—supporting the decking or joist—remains level, so the connected elements fit perfectly. The auto-correcting head can be used on substrates with a slope between 1–4%. Product number: 610211



DT-SH10



DT-SH20

Leveling shim (1.3 mm; 2.0 mm) DT-SH10, DT-SH20

Non-slip, flexible leveling shim available in 1.3 mm and 2.0 mm thickness. The shim is placed on the top of the DiaTurtle® pedestal head. It enables a minimum of 1% leveling and compensates for tile irregularities resulting from the manufacturing process. The shim features weakened sections that can be separated to create smaller shim segments.

Product number: 1.3 mm: 610174; 2.0 mm: 610175

Noise absorbing shim (5,0 mm)

The 5 mm thick absorbing shim's flexible material provides noise absorption and stepnoise reduction on the cover surface. Shims are placed on the DiaTurtle® pedestal's top. It allows a minimal leveling and compensates the inequalities of tiles arising from production.

Product number: 610176

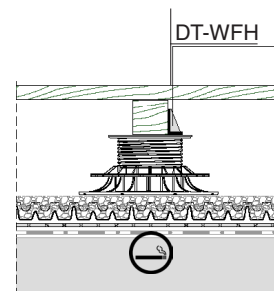


DT+ Height extension element

Height: 60 mm. The DT+ height extension element allows a height increase to DiaTurtle® pedestals with an additional 60 mm. Product number: 040140

Batten holder; DT-WFH

Batten holder with a height of 18 or 38 mm. The holder can fix battens to the DiaTurtle® pedestals. By rotating the batten holder battens with different widths can be fixed. Recommended quantity 38mm: 1pc/pedestal; 18mm: 2pcs/pedestal. Product number: 38mm: 610172; 18mm: 610173



DT-HFE



DT-HT



DT-HTA

The DT-HFE, DT-HTA, and DT-HT DiaTurtle® pedestal components are used to finish the free edges of terraces constructed with panel decking. The DT-HFE head is placed on top of the adjustable pedestal, into which the DT-HT element must be slid via a specially designed groove. The DT-HTA element snaps onto the pedestal base, and the adjustable DT-HT support can also be inserted into it. The vertical cladding element, cut to the required height from the decking material, can be stably positioned using the adjustable DT-HT supports.

Product numbers: DT-HT: 610221; DT-HTA: 610218; DT-HFE: 610217



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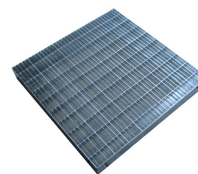
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RELATED PRODUCTS

Terrace grills

TRF-FF-40-FF; TRF-FF-50-FF

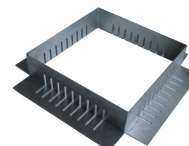
Positioned directly above a drain and flush with the terrace surface, these galvanised steel grills ensure fast drainage and can be fitted to pedestals so they do not require additional support. Sizes: 40/50x40/50x4cm



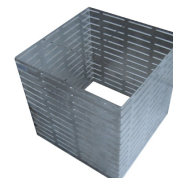
Gravel basket and gravel basket extension

TRK-20-AL és TRK+AL

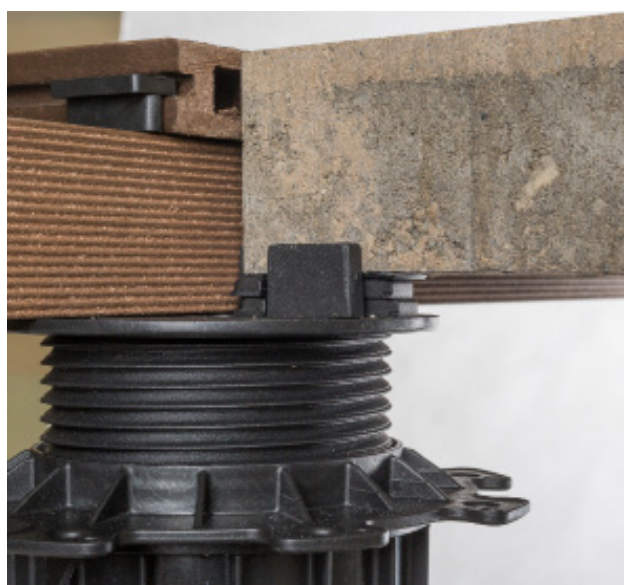
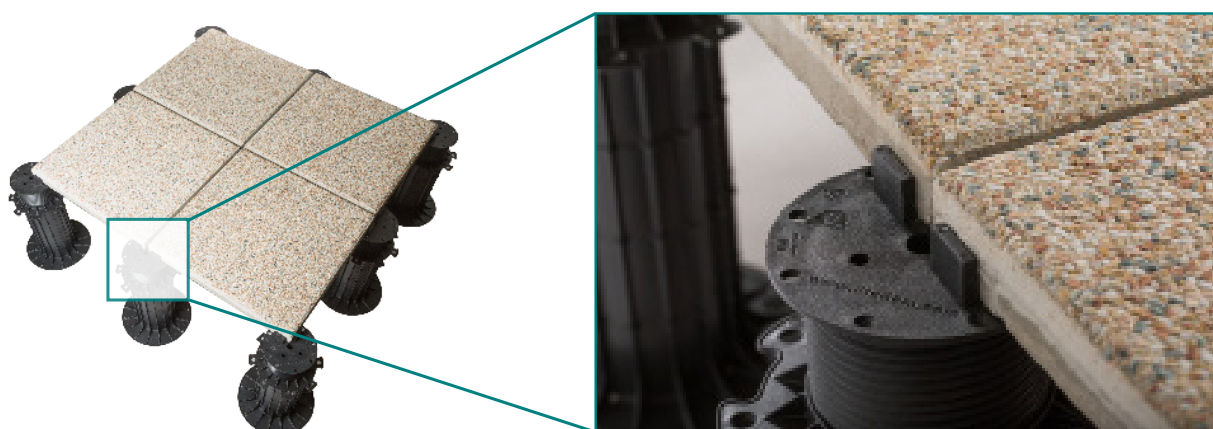
An aluminium frame (TRK-20) placed directly around the roof outlet with drainage holes, preventing gravel from the build-up from falling through, and protecting against other contaminants. The gravel basket extension (TRK+) is an aluminium frame with drainage holes that can be fitted to the gravel basket to extend the gravel basket's height up to 20cm, giving it a larger capacity to retain more unwanted material.



TRK-20-AL



TRK+AL



100% recyclable



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