

IT Plus[®] Columnbox

IT Plus[®] Columnbox has been developed for saving on ever-increasing transport costs.



Sustainable rain-water control and management

Extremely high stability
(heavy traffic, SLW60)

Easy to install (one man handling)
Considerably lower transport costs

NEN and Tüv-Nord Certified



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IT Plus® Columnbox

Supplementing the already-existing IT Plus®Controlbox and the IT Plus®Variobox, HTW infiltration BV has developed the IT Plus®Columnbox.

This Stormwaterbox has been specially developed for saving on ever-increasing transport costs. Whereas 76m3 can normally be loaded on a trailer with 13.6 loading metres as finished product, 317.3m3 of semi-manufactured product can now be loaded on the same trailer. That's more than four times as much.

The principle is that the elements are stacked together, so that 70 elements are packed onto a 1.22 x 0.92-metre pallet. This means considerably lower costs, and it is much more environmentally friendly.

Moreover, the IT Plus®Columnbox is of course completely compatible with the renowned IT Plus®infiltration units. This allows the box to be utilised functionally in combination with all other IT Plus®infiltration units.



The IT Plus® Columnbox is, like all once units, suitable for the heaviest traffic class. SLW60.

IT Plus® Columnbox	Pallets	Elementen = m3
40 ft HC Container	22 Pallets with 70 Elements - Pal. Dimensions: L:122 B:920 H:255 cm	1.540pc. = 249,480m3
Trailer 13,6 with 2,6m loading height	28 Pallets with 70 Elements - Pal. Dimensions: L:122 B:920 H:255 cm	1.960pc. = 317,520m3
Trailer 13,6 with 3,0m loading height	28 Pallets with 84 Elements - Pal. Dimensions: L:122 B:920 H:295 cm	2.352pc. = 381,024m3
Jumbo 7,7 + 7,7 with 3,0m loading height	32 Pallets with 84 Elements - Pal. Dimensions: L:122 B:920 H:295 cm	2.688pc. = 435,456m3

Quality from our own factory in Germany

- > The quality of the polypropylene is verified at random by the inspection body concerned
- > Quality control of the product during the production process
- > German engineering and manufacturing
- > Lifespan of polypropylene units is at least 50 years

This all results in a high quality standard. Alongside an excellent design and well-devised structure, the highest requirements are met.



Specifications

Productname: IT Plus® Columnbox

Technical details	
Dimensions (L x B x H mm)	Half: 900 x 600 x 300 Composed: 900 x 600 x 600 Side panels: 300 x 600
Storage capacity (l)	320 gross, 304 net
Storage capacity (%)	95
Material	recycled PP
Weight per unit (kg)	13,85
Weight per m³ (kg)	48

Loadability / minimum installation depth (ground covering) * (m)	
Passable on foot	min 0.5
Cars/light freight SLW30**	min 0.5
Trucks SLW 30** (300 Kn)	min 0.5
Trucks SLW 60** (600 Kn)	min 0.8
** (axle load per m²)	
Max. ground covering (m)	on request
Max. number of layers (units)	on request
Max. depth* (unit)	3 layers more on request
Connection options (DN)	125, 160, 200

Certificates and tests
Certificated by NEN17150:2019, Tüv-Nord

Dimensions

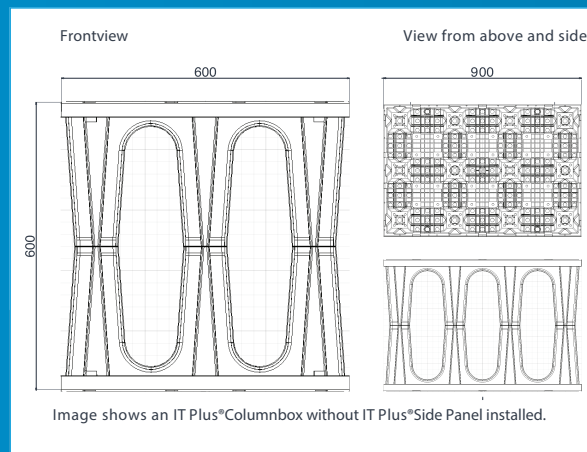


Image shows an IT Plus®Columnbox without IT Plus®Side Panel installed.

Benefits

High pressure load (SLW 60) at low depth certified by the NEN17150:2019, Tüv-Nord.

Low weight:
13,85 kg per unit, 48 kg per m³

Suitable for maintenance and inspection in combination with the IT Plus®Controlbox.

Excellent quality-price ratio.

Calculations resulting in these data are based on various soil characteristics. We will be happy to help with calculating your project.