

PLASTIC

ADJUSTABLE

RAISED

FLOORING

PEDESTALS

PEDESTAL PAVER SYSTEMS

www.truenorthstructural.com

We clean 4,000 tons plastic waste from nature with our annual production

capacity every year.





We consume 80% recycled raw material for our production.

The recycled raw materials used in our production and plastic waste collected from nature are transformed into products. These products are left in concrete for their use.

Thus, its release to nature is prevented.

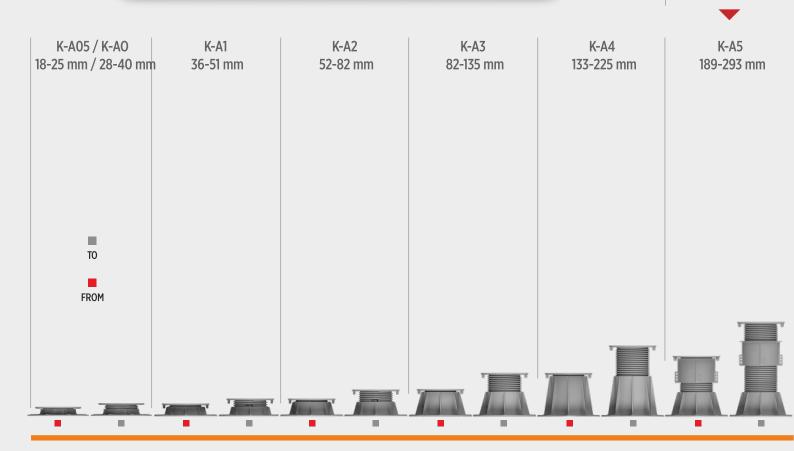
With our annual production capacity, approximately 4,000 tons of plastic waste is cleaned from nature every year.

BASE TYPES AND ADJUSTABLE INTERVALS

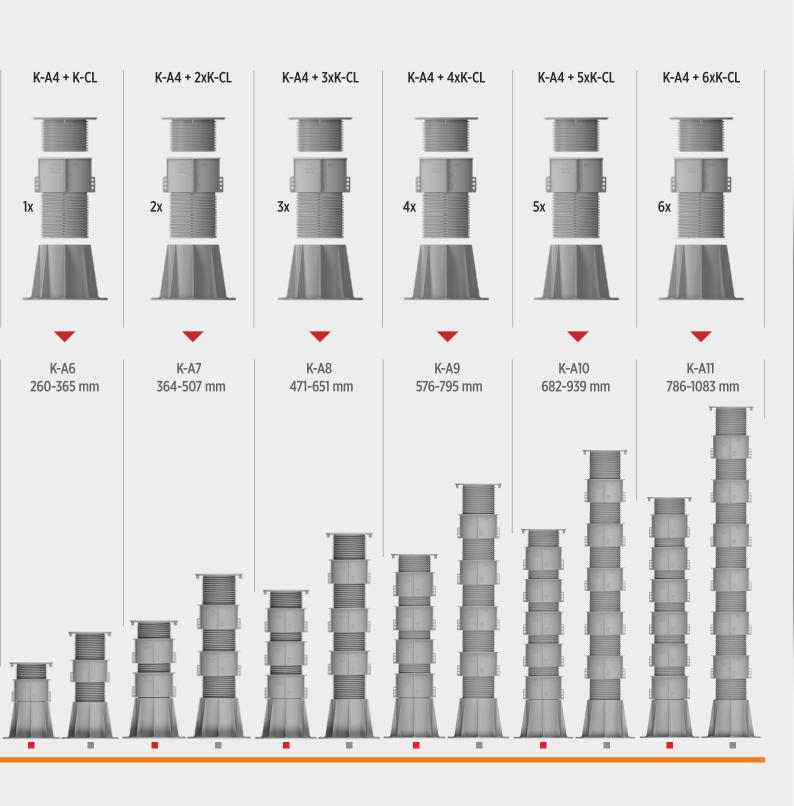
KAROAPP	RANGE	FROM	ТО
K-A05	18 - 25 mm	18 mm	25 mm
K-A0	28 - 40 mm	28 mm	40 mm
K-A1	36 - 51 mm	36 mm	51 mm
K-A2	52 - 82 mm	52 mm	82 mm
K-A3	82 - 1 3 mm	82 mm	135 mm
K-A4	133 - 225 mm	133 mm	255 mm
K-A5	189 - 293 mm	189 mm	293 mm
K-A6	260 - 365 mm	260 mm	365 mm
K-A7	364 - 5 0 mm	364 mm	507 mm
K-A8	471 - 651 mm	471 mm	651 mm
K-A9	576 - 795 mm	576 mm	795 mm
K-A10	682 - 3 9 mm	682 mm	939 mm
K-A11	786 - 1083 mm	786 mm	1083 mm

K-A3 + K-CL





BASE TYPES AND ADJUSTABLE INTERVALS



PAVING ACCESSORIES

K-SP



It is + shaped joint strip which is fixed on the top of Pedestals head to make space between surface covering materials such as tiles or pavers. Thickness are variable such as 2-3-4 and 5 mm.

K-SP Straight



K-SP Straight is a spacing strip for big size tiles and make gaps between them when there is no corner.

It has variations 3-4 and 5 mm.

K-ST



It is an alternative solution for letting space between surface covering materials and it can be found in 2-4-6 and 8 mm. thicknesses, it is to be used with 360 degrees and used with more aestethic special design surface covering materials.

K-S



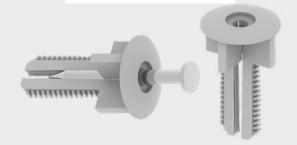
It is 2 mm. or 1 mm. shim for rigid surface covering materials to compansate differences at the bottom of floor covering material. While stabilizing pavers it also helps to reduce acoustic discomfort, it can be devided into 4 parts and can be used as additional levelling product too.

K-WS



It can be used with all ranges of Karoapp pedestals. It creates a gap between pedestal and wall. So it enables perfect water flow even in hard weather conditic.(Heavy rainfall, snow etc.)

K-WP

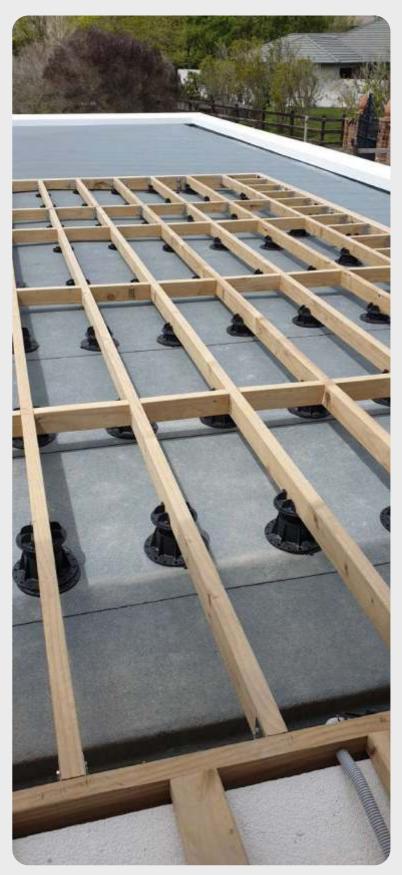


It prevents to the paving systems to lifting in case of strong winds. K-WS is avaliable different colors.

PAVING ACCESSORIES



APPLICATION PHOTOS









DECKING AND FRAMING ACCESSORIES

K-AR









K-AR is beam mounting accessory which can turn around 360 degress and easily attached into holes on top of our pedestals head. Fixing it with a screw to the beam gives you very firm frame to support deck boards.

K-AX



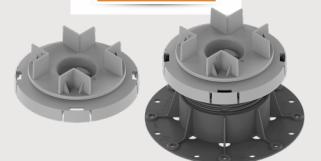






K-AX is a deck board support frame assembly accessory with the ability to hold for 40mm. – 50mm ones.

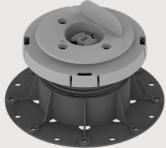
K-RSC X



It is an additional accessory which is fixed on top of Karoapp pedestals to compansate up to 7% slopes on the ground.

K-RSC D





Similar function as K-RSC X but here you can use beams up to 80 mm.

K-AW







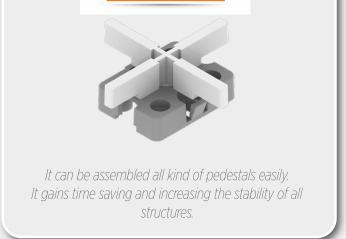
K-AW is deckboard or paver supporting frame assembly accessory which is screwed to the beam and attached to the hole on top of our pedestals head and enables to arrange distance between pedestal support.



OTHER ACCESSORIES



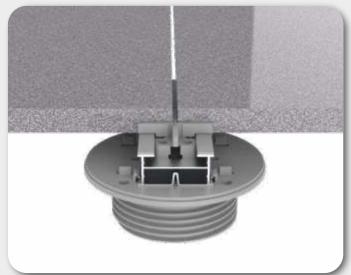
reliability as well as lightness.



K-AJ

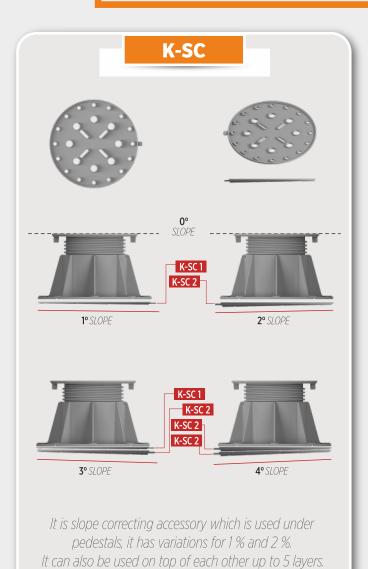








OTHER ACCESSORIES





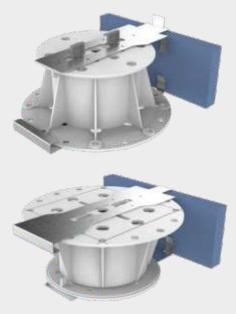




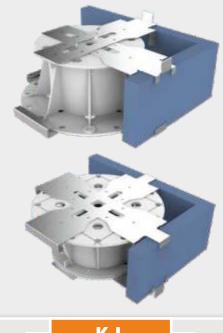
OTHER ACCESSORIES











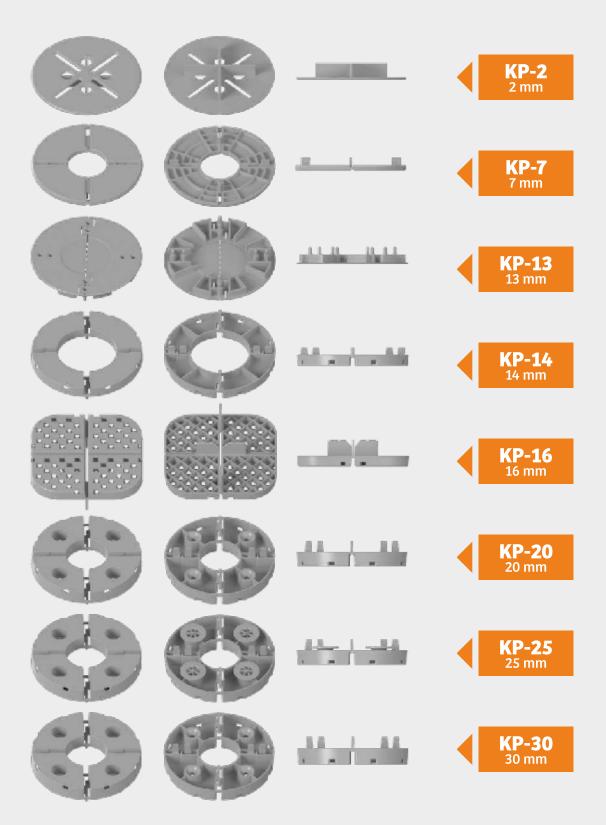


FIXED PEDESTALS

FIXED BASES

Fixed bases are used below floor tile.

The heights of the fixed types is not adjustable. It is preferred mostly for terraces.

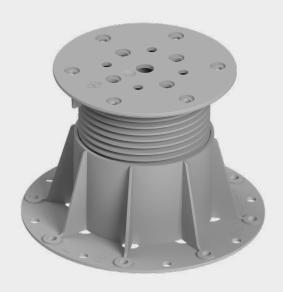


CALCULATIONS



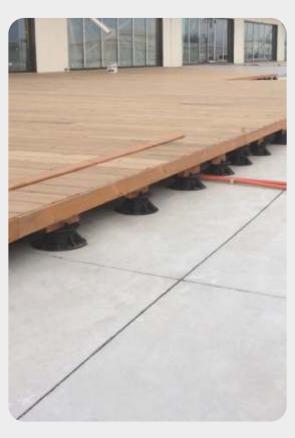
IF TILE SIZES INCREASE, THE CONSUMPTION RATE REDUCES

TILE SIZES	SQM	
30X30 CM	13,80	
40X40 CM	7,80	
30X60 CM	6,70	
40X60 CM	5,20	
50X50 CM	5,00	
60X60 CM	3,50	



APPLICATIONS









True North STRUCTURAL SYSTEMS



Canada Head Office

210 8399 200th St. Langley B.C. V2Y 3C2Canada

Canada Ottawa Office

201-2487 Kaladar Ave. Ottawa ON. K1V 8B9

USA Texas Office

226 S.Enterpize Pkwy. Corpus Christi 78405 Texas USA