

SOLVER.

PRODUCT CARD

Short name

STA-030-045-K5-(100)

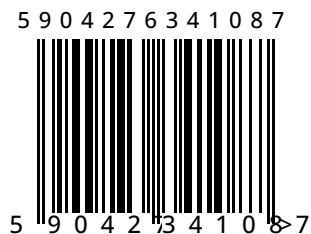
Full name

Adjustable pedestal STANDARD 30-45 mm for outdoor raised flooring for tiles with K5

BASE DATA

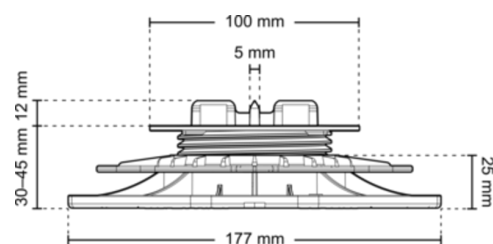
Product group	Standard
Application	• terrace tiles
Code	102.010511

EAN



TECHNICAL DATA

Minimum height	30 mm
Maximum height	45 mm
Regulation type	smooth
Total dimension - length	182 mm
Total dimension - width	182 mm
Total product dimensions - height	30 mm
Head diameter (top plate) Ø 100 mm (74 cm ²)	
Base diameter	Ø 176 mm (190 cm ²)
Weight	~0.17 kg
Wytrzymałość na	1000 kg (10kN)



SOLVER.

Solver SP. Z O.O.
www.solver-systems.pl

phone: +48 58 585 97 37
email: sales@solver-systems.com

Wenus 73A,
80-299 Gdańsk, Poland

obciążenia do

Fire resistance	E
Temperature range	od -20°C do 65°C
Color	black, grey
Mandatory warranty	Limited 10-year residential and commercial warranty
Country of origin	Poland
Material name	Polypropylene - black regrind, Polypropylene - original transparent, Gray pigment, White chalk
Percentage of recycled material	83.54 %
Type of waste	• non-hazardous waste - recyclable
Project type	• exterior use

What finishing materials can be used

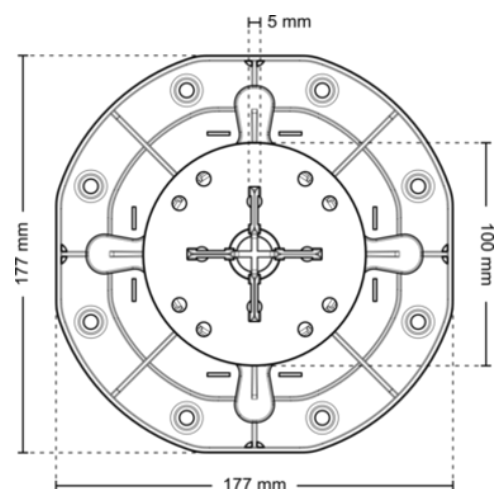
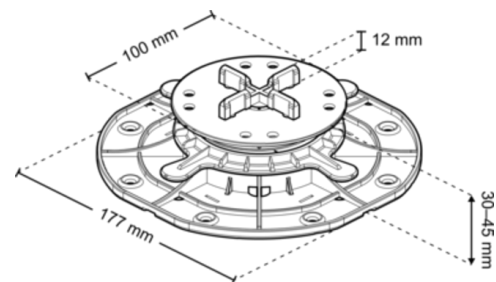
- concrete paver
- stone pavers
- ceramic tile

Consists of

STANDARD base 1, STANDARD 1 Screw, STANDARD Nut, Cross gap spacer for tiles 5 mm, Individual gap spacer for tiles 5 mm

CERTIFICATES

Product certified by the Building Research Institute.
NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2022-2174



LOGISTICS INFORMATION

Package	Quantity Packaging Value	Package weight	Empty package weight	Palett	Number of packages on a pallet	Number of pieces on a pallet	Pallet weight	Empty pallet weight
BOX 600x500x400	100	17 kg	1.452 kg	WOODEN PALLET 120x100x220	20	2000	377 kg	18 kg

Characteristic features

Characteristics of the STANDARD series

1. Versatile application
2. Smooth height adjustment
3. Height adjustment by rotating the nut
4. Wide range of accessories

Application

Application of raised deck terraces:

The raised deck terrace system finds wide application in modern residential, commercial, and public utility construction. This solution is intended for creating:

1. terraces, balconies, and loggias
2. usable roofs and green roofs
3. recreational areas around buildings
4. pedestrian walkways, decks, and squares
5. spaces above technical installations requiring easy service access.

The system enables quick installation without the use of mortars and adhesives, ensuring free water drainage and ventilation under the entire terrace surface. Thanks to adjustable pedestals and/or joist construction, it allows for leveling slopes and height differences in the substrate.

Raised deck terraces are a particularly recommended solution where the following are important:

1. durability and resistance to weather conditions
2. aesthetic appearance and even surface
3. easy access to the insulation layer and installations
4. possibility of quick modernization or surface replacement

For the construction of raised deck terraces with pavers or boards on joists. Used in residential, commercial, and public utility buildings.

Advantages

Advantages of raised deck terraces:

1. Height and level adjustment – possibility of precise leveling of the surface without the need for screeds
2. Effective drainage – gaps in the terrace drain water to the space under the terrace
3. Easy maintenance – access to installations and substrate without dismantling the entire structure
4. Easy maintenance – access to installations and substrate without dismantling the entire structure
5. Thermal and acoustic insulation – the air layer under the pavers improves user comfort
6. Quick installation and dismantling – possibility of reusing elements when changing the arrangement
7. Durability – resistance to weather conditions and usage loads

Installation recommendations

A raised deck terrace does not require permanent anchoring to the substrate. Free water drainage and ventilation must be ensured under the entire surface of the terrace. The substrate must be level, stable, and load-bearing. A slope of at least 1.5–2% towards the drainage must be provided. In the case of higher loads, densify the support grid. Level the terrace height by adjusting the pedestals. At building expansion joints, maintain a gap and seal it with flexible elements. Pedestals cannot be stacked on top of each other - meaning the base of the upper pedestal cannot be placed on the top cap of the lower pedestal. The holes in the base are only for stacking pedestals during packaging.

Adjustable pedestals are intended for the construction of external raised floors used exclusively by pedestrians. They are not designed to carry loads from moving or vibrating equipment and machinery, including service vehicles, cleaning machines, cars, or other similar equipment. Height adjustment is carried out by rotating the nut threaded onto the pedestal screw. Do not unscrew the pedestal screws beyond the permissible height range. The minimum compressive strength of the substrate in the case of insulation boards is 200 kPa.

Recommendations for paver terraces: Before starting installation, carefully analyze the technical documentation and other guidelines, including those related to the installation of floor pavers. Particular attention should be paid to the indicated support points for these pavers. Always follow the paver manufacturer's recommendations to ensure the products are suitable for installation in a raised deck system and to determine the number of support pads/pedestals per 1 m². Qualification of "SELF-SUPPORTING" pavers in classes T7 and T11 according to standard EN 1339:2004-02 is recommended. Set pedestals according to the paver dimensions – standardly every 40–60 cm, in the corners – according to the paver manufacturer's recommendations. Lay pavers starting from a corner, resting them on four pedestals. Maintain 3 or 5 mm expansion joints between pavers using K3 or K5 spacer crosses. Use single L3 or L5 spacers along the wall. Check the level and stability of each paver, correct the pedestal settings. The terrace should have a perimeter edge restraint around its surface to prevent the pavers from spreading apart. If it is not possible to install a perimeter edge, secure the last row of pedestals and pavers against shifting using anchors or adhesive.

Tools

- Measure - Spirit level - String line or cross line laser - Pencil or construction marker - Mason's rule - Rubber mallet - Work gloves - Safety glasses - Hearing protection - Dust mask - Metal saw blade or jigsaw with metal cutting blade for trimming elements

Recommendations for use

The raised deck terrace is intended for use in accordance with its purpose – as a recreational surface. Do not point-load the pavers (e.g., by placing very heavy objects on a small area). Avoid mechanical impacts that could damage the pavers or the support structure. The terrace surface should be regularly swept, and leaves, sand, and debris that may accumulate in the joints should be removed. At least once a year, check the stability of the pavers and pedestals. After winter or heavy rainfall, check the drainage system for blockages. If looseness or damage is found – perform adjustment or replacement of the elements. If access to the space under the pavers is required (e.g., for installations, drains), they should be carefully lifted using appropriate lifters or lifting tools. If access to the space under the pavers is required (e.g., for installations, drains), they should be carefully lifted using appropriate lifters or lifting tools. In the case of a slippery surface, use anti-slip mats or additional protective coatings, e.g., around the pool.

It is not recommended to drive vehicles onto a raised deck terrace system or apply point loads.