

PRODUCT CARD

Short name

SPI-017-030-D3-(90)

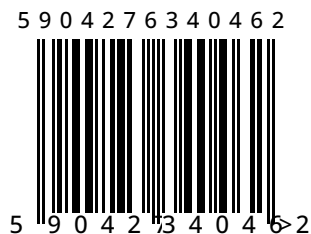
Full name

Adjustable pedestal SPIRAL 17-30 mm for outdoor raised flooring for tiles with D3

BASE DATA

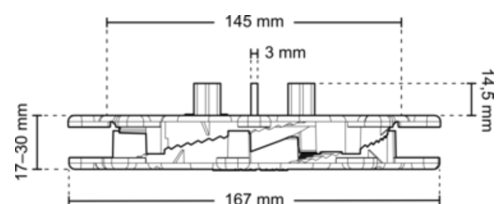
Product group	Spiral
Application	• terrace tiles
Code	103.020211

EAN



TECHNICAL DATA

Minimum height	17 mm
Maximum height	30 mm
Regulation type	stepped
Total dimension - length	168 mm
Total dimension - width	168 mm
Total product dimensions - height	17 mm
Head diameter (top plate) Ø	145 mm (160 cm ²)
Base diameter	Ø 145 mm (160 cm ²)
Weight	~0.15 kg
Wytrzymałość na	2000 kg (20kN)



obciążenia do

Fire resistance	E
Temperature range	od -20°C do 65°C
Color	black
Mandatory warranty	Limited 10-year residential and commercial warranty
Country of origin	Poland
Material name	Polypropylene - black regrind
Percentage of recycled material	100 %
Type of waste	• non-hazardous waste - recyclable
Project type	• exterior use

What finishing materials can be used

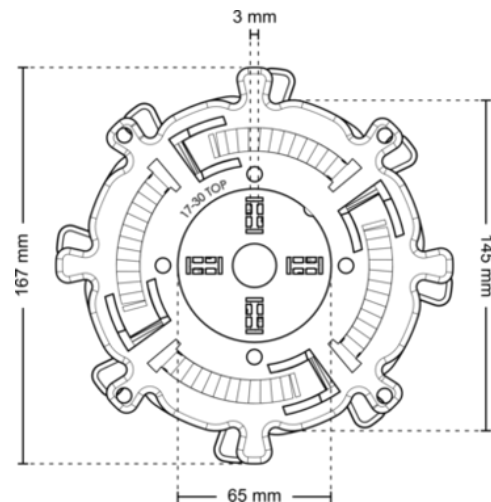
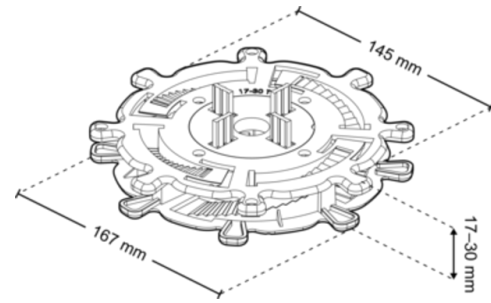
- concrete paver
- stone pavers
- ceramic tile

Consists of

Pedestal 17-30 SPIRAL bottom , Pedestal 17-30 SPIRAL top , Disc gap spacer for tiles 3 mm, Disc gap spacer for tiles 3 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 600x500x200	90	14 kg	0.76 kg	WOODEN PALLET 120x100x220	40	3600	584 kg	18 kg

Characteristic features

Characteristics of the SPIRAL series

1. Step adjustment every 1 mm
2. High load-bearing capacity
3. For low-height raised deck terraces

Product features:

1. Consists of lower and upper parts
2. Upper part has a socket for head finishing installation
3. Characteristic stepped height adjustment method

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 construction.

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
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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.

Height adjustment is stepped and is achieved by rotating the halves relative to each other. Each step is a height difference of 1 mm. 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 m². Self-supporting pavers in classes T7 and T11 according to standard EN 1339:2004-02 are recommended. Set pedestals according to paver dimensions - typically every 40-60 cm, in corners - according to paver manufacturer's recommendations. Lay pavers starting from a corner, supporting them on four pedestals. Maintain 3 or 5 mm expansion joints between pavers using D3 or D5 spacing discs. Along the wall, break out 2 spacers from the disc. Check the level and stability of each paver, adjust pedestal settings. The terrace should have edge restraint around its entire perimeter to prevent pavers from spreading apart. If it's not possible to install edge restraint, secure the last row of pedestals and pavers against displacement 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.