

## PRODUCT CARD

Short name

**PAD-002R-L5-(300)**

Full name

2 mm tile cross spacer for dry laying on sand, grass, gravel with built in 3 mm and individual gap spacers 5 mm - rubber

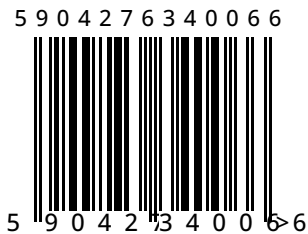
### BASE DATA

**Product group** Paver supports

**Application** • terrace tiles

**Code** 101.010411

**EAN**



### TECHNICAL DATA

**Minimum height** 2 mm

**Maximum height** 2 mm

**Total dimension - length** 100 mm

**Total dimension - width** 100 mm

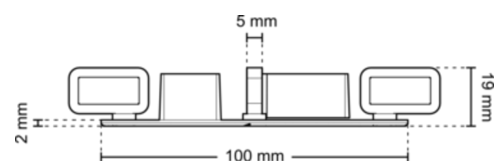
**Total product dimensions - height** 17 mm

**Head diameter (top plate) Ø 100 mm (78 cm<sup>2</sup>)**

**Base diameter** Ø 100 mm (78 cm<sup>2</sup>)

**Weight** ~0.03 kg

**Wytrzymałość na obciążenia do** 1000 kg (10kN)



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

#### What finishing materials can be used

- stone pavers
- concrete paver
- ceramic tile

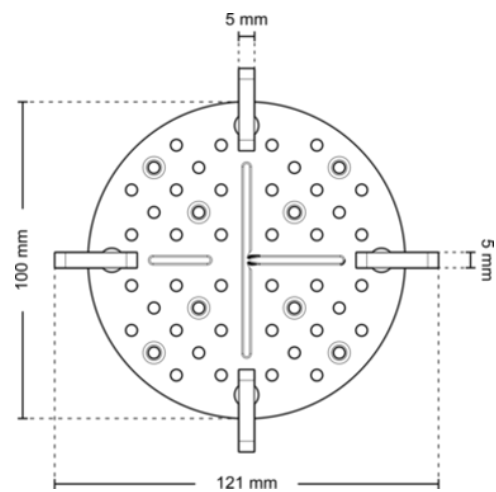
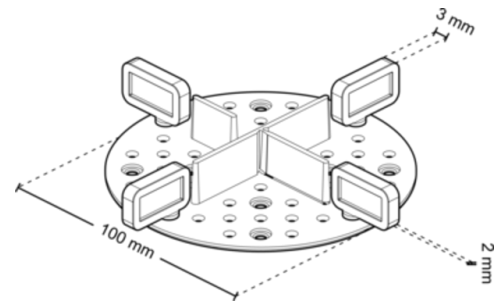
#### Consists of

Rubber shim 2 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 600x500x200 | 300                      | 8 kg           | 0.76 kg              | WOODEN PALLET<br>120x100x220 | 40                             | 12000                        | 360 kg        | 18 kg               |

## Characteristic features

Characteristics of the PAD series

1. Fixed height
2. Built-in 3 mm tile spacers
3. Modular construction allowing for easy cutting/snapping

Product features:

1. Prevents rocking, shifting of pavers and their corners
2. For laying pavers using the so-called "dry" method - on sand or gravel bedding
3. Has additional 5 mm spacers for pavers
4. Made of soft, flexible material with sound-dampening properties

## 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 laying terrace pavers without fluid height adjustment in a ventilated system and on a dry-set bedding course

For use in projects such as:

Ground-level terraces

Walkways and driveways

Swimming pools

## 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

## Product advantages:

1. Stability and evenness: The pads prevent pavers from rocking, ensuring a safe and level surface
2. Even joints: Built-in spacers guarantee aesthetic and uniform gaps between pavers
3. Easy installation: The system does not require adhesive, which speeds up work and facilitates the removal of individual pavers
4. Drainage: A mounting method that effectively drains water and provides ventilation, protecting the substrate
5. Our support pads have a larger diameter than competitors' pads
6. Ability to be snapped in half
7. Holes in the pad allowing anchoring to the substrate

## 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.

Recommendations for terraces with pavers: Set pedestals according to paver dimensions – standard spacing 40–60 cm, at corners - according to paver manufacturer's recommendations. Lay pavers starting from a corner, resting each on four pedestals. Maintain 3 or 5 mm expansion joints between pavers. Check level and stability of each paver, adjust pedestal settings as needed. The terrace should have edge restraint around its perimeter to prevent pavers from shifting. If edge restraint cannot be installed, secure the last row of pedestals and pavers against displacement using anchors or adhesive.

Before starting the installation, carefully analyze the technical documentation and other guidelines, including those related to the installation of floor slabs. Particular attention should be paid to the indicated support points for these slabs. Always follow the slab 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 m<sup>2</sup>. Qualification of "SELF-SUPPORTING" type slabs in classes T7 and T11 according to the EN 1339:2004-02 standard is recommended. 1. Substrate Preparation Excavation: Remove soil to a depth of approx. 25-30 cm. Base Course: Lay and compact aggregate (0-31.5 mm or 0-63 mm) to a thickness of 15-20 cm. Bedding Sand: Spread sand (0-2 mm) or fine gravel (2-4 mm) on the base course to a thickness of 3-5 cm. Level while maintaining a minimum 2% slope. 2. Laying Slabs Lay ceramic slabs using support pads under each corner of the slab. Check the level of each slab, tapping gently with a rubber mallet. 3. Jointing and Finishing Fill the joints with fine sand. Sweep the surface until the gaps are completely filled. Do not compact mechanically. Important Notes: Work in dry conditions, at temperatures above 5°C. In cases where support pads are placed on a loose substrate (e.g., on soil), it is possible to secure them using anchors. DDP002 support pads have special holes for this purpose. Secure the support pad with at least two anchors. Note - drilling into the substrate may damage the insulation. Make sure you can drill into the substrate. Ensure that the support pad being fixed is in the correct position.

## 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

• Shovel for excavating and spreading the bedding layer • Rake for preliminary leveling of the bedding layer • Mechanical plate compactor for compacting the sub-base • Mason's straightedge for precise leveling of the bedding layer • Spirit level for checking the level and slope of the surface • Rubber mallet for tapping pavers and adjusting them to level • Small broom or brush for spreading jointing sand • Wheelbarrow for transporting materials

## 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.

1. Maintenance Cleaning: Regularly sweep and remove debris (leaves, sand). Wet cleaning: Rinse with low-pressure water. Use mild detergents for ceramics. Joints: Monitor and replenish sand in the gaps if necessary to ensure surface stability. 2. Usage Garden furniture: Use pads under furniture legs. Move them carefully to avoid scratching the surface. Snow removal: Use a shovel with a plastic tip. Avoid road salt and other aggressive chemicals. 3. Inspection Check that the slope is functioning correctly and water drains freely. If pavers become unstable, lift them, replenish the bedding sand, and relay them using support pads.

