

## PRODUCT CARD

Short name

**ADEC-APK3-(500(50x10))**

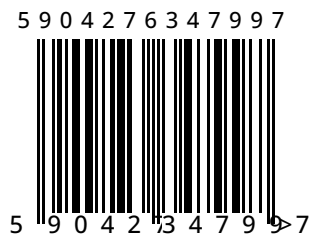
Full name

Sliding cross spacer for AluDeck joist for setting 3 mm gaps between tiles

### BASE DATA

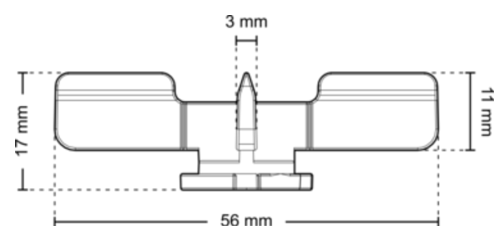
|               |                 |
|---------------|-----------------|
| Product group | AluDeck         |
| Application   | • terrace tiles |
| Code          | 109.030131      |

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### TECHNICAL DATA

|                                   |              |
|-----------------------------------|--------------|
| Minimum height                    | 0 mm         |
| Maximum height                    | 0 mm         |
| Total dimension - length          | 56 mm        |
| Total dimension - width           | 56 mm        |
| Total product dimensions - height | 17 mm        |
| Head diameter (top plate) Ø       | 0 mm (0 cm2) |
| Base diameter                     | Ø 0 mm       |
| Weight                            | ~0 kg        |
| Wytrzymałość na obciążenia do     | 0 kg         |



|                                        |                                                     |
|----------------------------------------|-----------------------------------------------------|
| <b>Fire resistance</b>                 | E                                                   |
| <b>Temperature range</b>               | od -20°C do 65°C                                    |
| <b>Mandatory warranty</b>              | Limited 10-year residential and commercial warranty |
| <b>Country of origin</b>               | Poland                                              |
| <b>Material name</b>                   | Polypropylene - black regrind                       |
| <b>Percentage of recycled material</b> | 0 %                                                 |
| <b>Type of waste</b>                   | • non-hazardous waste - recyclable                  |
| <b>Project type</b>                    | • Fountain<br>• exterior use                        |

#### What finishing materials can be used

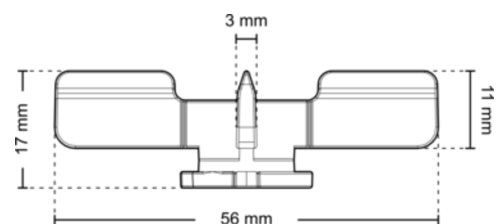
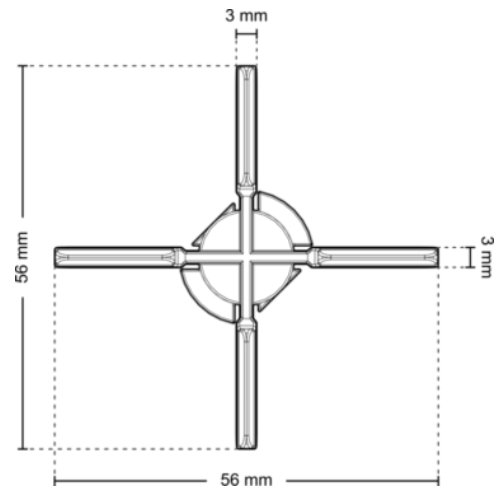
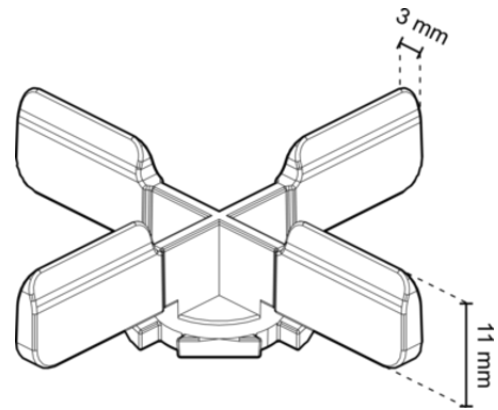
- ceramic tile
- concrete paver
- stone pavers

#### Consists of

Sliding cross spacer for AluDeck joist for setting 3 mm gaps between tiles

#### 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 300x250x200 | 500                      | 1 kg           | 0.24 kg              | WOODEN PALLET 120x100x220 | 160                            | 80000                        | 298 kg        | 18 kg               |

## Characteristic features

### Product features:

Joint width variants: Version for setting the joint width between pavers: 3 mm.

Geometry and dimensions: Cross-shaped elements with a base dimension of 55 x 55 mm and a height of 17 mm.

Locking mechanism: The unique design of the cross foot allows the element to be locked into the joist rail by rotation, preventing it from accidentally falling out.

Angular tolerance: The special design allows for laying pavers with some deviation from a right angle relative to the joist, which significantly facilitates installation on irregular surfaces.

Compatibility: Elements fully integrated with the rails of the ADJ series aluminum joists.

## 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

Setting the distance: Spacers are used to precisely set equal 3 mm gaps between the edges of two pavers resting on aluminum joists (typically along a perimeter boundary such as a wall or parapet).

## 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

Advantages of the accessory:

1. Secure fastening: The lock-by-rotation mechanism eliminates the risk of spacers shifting or falling out during installation work and during the use of the terrace.
2. Installation flexibility: The ability to lay pavers at an angle other than a perfect 90 degrees relative to the joists allows for greater freedom in

design and execution.

3. Easy adjustment: The sliding construction allows for an instant change in the spacer's position at any stage of work before laying the pavers.

## 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.

Insertion: The spacer should be placed in the special upper guide (rail) of the ADJ aluminum joist. Positioning: Move the element along the joist to the location between the edges of the terrace pavers. Laying pavers: The pavers should be pushed against the wings of the cross, using the angular tolerance offered by the system for perfect gap adjustment.

## 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

Manual installation: Installing, moving, and locking the spacers does not require the use of any specialized tools.

## 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.