

PRODUCT CARD

Short name

ADEC-ALC-(50)

Full name

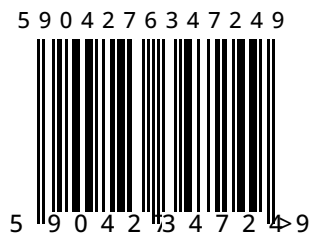
Screwless longitudinal connector for AluDeck aluminium joist

BASE DATA

Product group	AluDeck
Application	• terrace tiles • terrace joist • wpc decking boards
Code	109.040121



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TECHNICAL DATA

Minimum height	0 mm
Maximum height	0 mm
Total dimension - length	60 mm
Total dimension - width	3.8 mm
Total product dimensions - height	22 mm
Head diameter (top plate)	Ø 0 mm (0 cm2)
Base diameter	Ø 0 mm
Weight	~0.01 kg
Wytrzymałość na obciążenia do	0 kg
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	Polyamide- black regrind
Percentage of recycled material	100 %
Type of waste	• non-hazardous waste - recyclable
Project type	• Fountain • exterior use
What finishing materials can be used • AluDeck	

Consists of

AluDeck longitudinal connector

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
STRING BAG 180X120	50	0 kg	0.001 kg	-	-	-	- kg	- kg

Characteristic features

Product features:

Innovative locking mechanism: The connectors feature built-in oval elements that, when rotated 90 degrees (e.g., using a flathead screwdriver), clamp onto the sides of the joists.

Easy installation: The elements are simply inserted into special holders located in the side walls of the ADJ 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

Used to connect adjacent joists in a straight line (longitudinally).

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

Advantages of the accessory:

1. Speeds up installation.
2. Creates a strong connection between joists.
3. Installation without the need for screws.

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 connector should be inserted into special holders located in the side walls of the joists. Positioning: The element should connect the ends of two adjacent profiles. Locking: Using a flat-head screwdriver, rotate the built-in oval elements by 90 degrees.

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

Flathead screwdriver.

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.