

SOLVER.

PRODUCT CARD

Short name

RAP-P30-(100)

Full name

Height extender for RAPTOR - height 30 mm

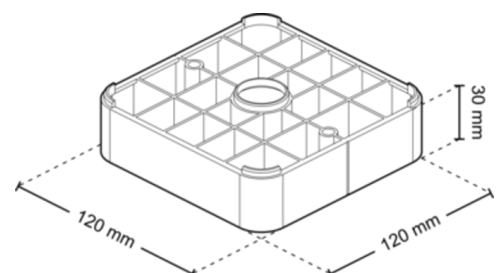
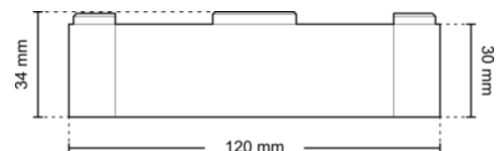
BASE DATA

Product group	Raptor
Application	• terrace joist
Code	106.090111
EAN	5 904276342787



TECHNICAL DATA

Minimum height	30 mm
Maximum height	30 mm
Total dimension - length	120 mm
Total dimension - width	120 mm
Total product dimensions - height	33 mm
Head diameter (top plate) Ø	157 mm (144 cm ²)
Base diameter	Ø 157 mm (144 cm ²)
Weight	~0.08 kg
Wytrzymałość na obciążenia do	1000 kg (10kN)
Fire resistance	E



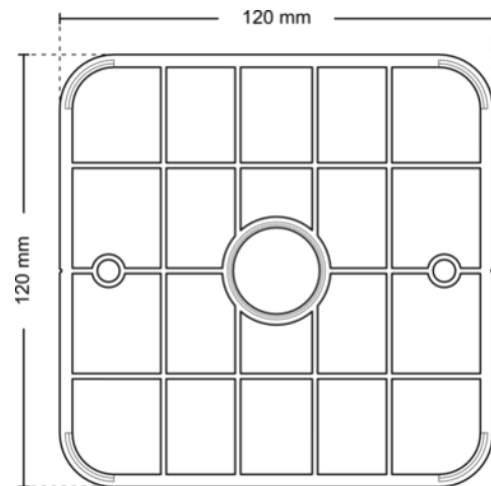
SOLVER.

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80-299 Gdańsk, Poland

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	• interior use • exterior use



What finishing materials can be used

- hardwood joist
- softwood joist
- aluminium joist
- WPC joist

Consists of

Distance pad RAPTOR

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
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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	100	8 kg	0.76 kg	WOODEN PALLET 120x100x220	40	4000	376 kg	18 kg

Characteristic features

Key features of the RAPTOR series

1. Step-by-step height adjustment in 1 mm increments
2. High load-bearing capacity
3. Adjustable from a low height
4. Wedge-shaped pedestal construction
5. Connection capability using screws
6. Dedicated holes for fixing to the substrate
7. Stable base

Characteristics of the accessory:

1. Increases the pedestal's adjustment range by 30 mm
2. Snap-on installation

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 boards on joists. Used in residential, commercial, and public utility buildings.

Used for raised deck terraces requiring a RAPTOR pedestal height greater than 125 mm.

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. Quick installation - extensions are installed by pressing

2. Transfers loads because the truss structure of the extension corresponds to the structure of the pedestal base

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 moving the wedges 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

The pedestals have been tested for compressive strength up to a height of 125 mm. There are no contraindications to using them above this height, provided that both the pedestals and the entire floor structure maintain full stability. The manufacturer does not specify a maximum limit height for the RAPTOR series pedestals. The final decision regarding the permissible installation height in each case belongs to the installer, who should be guided by the principles of good construction practice.

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
- Screwdriver with a cross bit for screwing in connecting wedges (optional)

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. In the case of a slippery surface, use anti-slip mats or additional protective coatings, e.g., around the pool.