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PRODUCT CARD

Short name

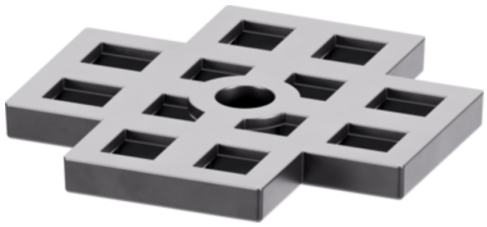
DECS-PGC-(150(30x5))

Full name

DeckSafe grid end cap with screw

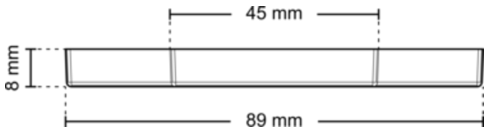
BASE DATA

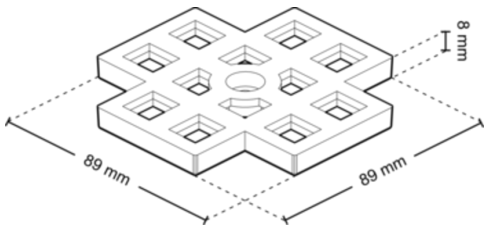
Product group	DeckSafe
Application	• terrace tiles
Code	108.040131
EAN	5 9 0 4 2 7 6 3 4 5 3 8 2



TECHNICAL DATA

Minimum height	0 mm
Maximum height	0 mm
Total dimension - length	89 mm
Total dimension - width	89 mm
Total product dimensions - height	8 mm
Head diameter (top plate)	Ø 0 mm (0 cm2)
Base diameter	Ø 0 mm
Weight	~0.03 kg
Wytrzymałość na obciążenia do	0 kg
Fire resistance	E





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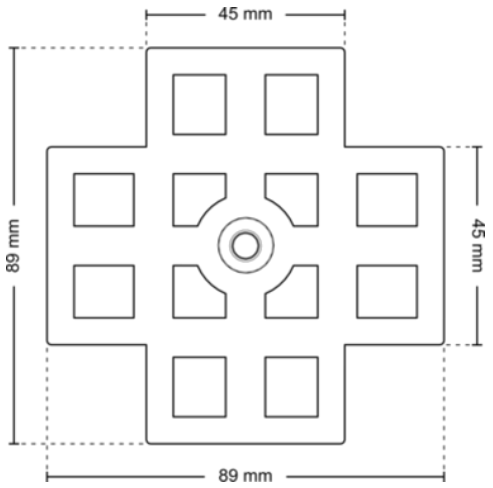
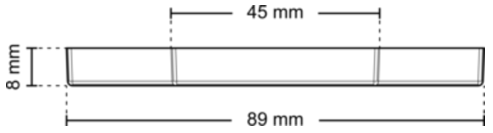
Temperature range	od -20°C do 65°C
Mandatory warranty	Limited 10-year residential and commercial warranty
Country of origin	Poland
Material name	Polypropylene - black regrind
Percentage of recycled material	100 %
Type of waste	• non-hazardous waste - recyclable
Project type	• Fountain • exterior use





What finishing materials can be used
- DeckSafe
- concrete paver
- ceramic tile
- stone pavers

Consists of
DeckSafe grid end cap with screw

CERTIFICATES

Product certified by the Building Research Institute.
NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2022-2174

EPD
INTERNATIONAL EPD SYSTEM

Geprüfte Qualität
Zertifiziert gemäß DVN:5750
DD Pedestals
Höhenverstellbares Stelzlager
Deutsches Institut für Verbraucherschutz

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	150	3 kg	0.24 kg	WOODEN PALLET 120x100x220	160	24000	657 kg	18 kg

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Characteristic features

Characteristics of DeckSafe

1. Enhancing the application possibilities and safety of raised deck terraces

Product characteristics:

Construction: Flat, ribbed cross-shaped element.

Dimensions: 89 x 89 mm.

Thickness: 8 mm.

Function: Compensates for height differences resulting from the lowered corners of the DSP grid at their connection points.

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

Projects requiring specialized solutions in the field of safety and functionality.

DeckSafe DECS-PGC is a flat system component designed to provide a perfectly level terrace plane at the connection points of the DSP substructure grid modules. It is an essential finishing component, especially when using soft surface materials.

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

Accessory advantages:

1. Elimination of depressions: Prevents the formation of hollows and depressions on the upper surface of the terrace.
2. Aesthetic finish: Ensures an even and professional appearance of the entire raised deck terrace surface.
3. Versatility: Allows for safe and aesthetic joining of different types of surfaces, e.g., ceramic pavers with artificial grass.
4. Structural rigidity: The ribbed construction of the element guarantees resistance to pressure and dimensional stability.

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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.

End caps should be installed in the corners of DSP gratings after they are laid on pedestals and connected with a "dovetail" joint. The element should be placed in the recess formed at the intersection of the corners of four gratings, so that it is flush with the top edge of the grating ribs. A correctly installed end cap creates a uniform and flat surface ready for laying the decorative layer.

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: Installation does not require the use of 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.

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