

PRODUCT CARD

Short name

DECS-WGP-(50)

Full name

Concealed Paver Windgrip WGP - Wind Uplift Protection Retainer for adhesive application for SPIRAL and MAX

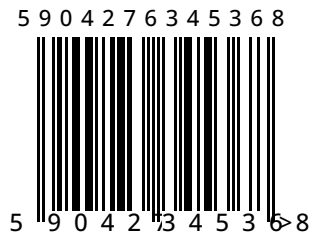
BASE DATA

Product group DeckSafe

Application • terrace tiles

Code 108.050111

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TECHNICAL DATA

Minimum height 7 mm

Maximum height 7 mm

Total dimension - length 216 mm

Total dimension - width 216 mm

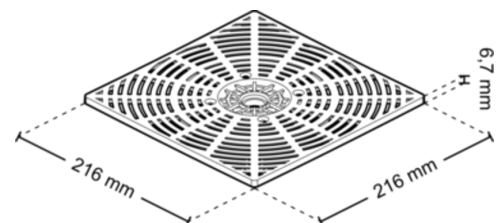
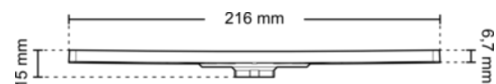
Total product dimensions - height 15 mm

Head diameter (top plate) Ø 215 mm (462 cm²)

Base diameter Ø 0 mm (0 cm²)

Weight ~0.06 kg

Wytrzymałość na obciążenia do 0 kg



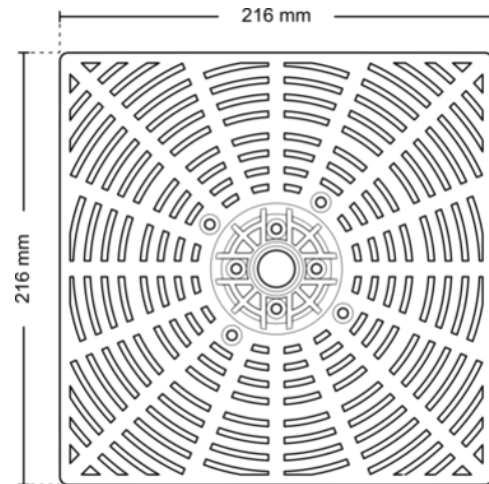
Fire resistance	E
Temperature range	od -20°C do 65°C
Mandatory warranty	Limited 10-year residential and commercial warranty
Country of origin	Poland
Material name	Polypropylene - black regrind
Percentage of recycled material	100 %
Type of waste	• non-hazardous waste - recyclable
Project type	• exterior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

What finishing materials can be used

- ceramic tile
- concrete paver
- stone pavers
- DeckSafe

Consists of

Windgrip WGP



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 500x300x200	50	3 kg	0.381 kg	WOODEN PALLET 120x100x220	80	4000	280 kg	18 kg

Characteristic features

Characteristics of DeckSafe

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

Product features:

1. Dimensions and geometry: A tile measuring 216 x 216 mm with a thickness of 7.2 mm.
2. Rib structure: The top surface features open, circular ribs that are flat on top, while the underside has an innovative V-shaped (dovetail) design, which drastically increases the adhesive's grip on the element.
3. Spherical plane: The top surface of the tile has a spherical geometry, ensuring better adhesion and a larger contact area with the terrace paver during bonding.
4. System integration: The central part of the tile is equipped with a socket designed for mounting standard spacer discs that set the gaps between pavers.

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.

Protection against paver uplift by strong wind gusts on low-height raised deck terraces – from 17.2 mm (height from the substrate to the top edge of the paver).

Additional protection and stabilization of the paver in atypical locations such as parapets / terrace entrances / edge restraints / cut-outs.

Installation on SPIRAL and MAX series adjustable pedestals.

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

Product advantages:

1. Aesthetics: The entire securing system is located under the pavers and is not visible on the upper surface of the terrace.
2. Uniqueness for low heights: Solves the problem of lacking effective wind uplift protection on terraces with very low clearance (from 17 mm), where the standard DECS-DSP subconstruction grid does not fit.
3. Increased adhesion: The innovative V-type hook creates a mechanical anchoring for the adhesive, protecting the pavers from detachment even under extreme wind suction.
4. Easy installation: No need for invasive processing of the terrace pavers significantly reduces the risk of material damage.

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.

Embedding: The WGP tile should be installed using the "press-fit" method into the socket of the SPIRAL or MAX pedestal (in the location intended for the spacer disc). Gluing: Terrace pavers should be fixed to the upper surface of the grid using an adhesive suitable for bonding the material of the paver with plastic - contact us for precise information. Gap between pavers: A spacer disc should be placed in the upper socket of the tile to establish the joint gaps between the pavers.

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

Tool-free installation: Mounting the paver onto the pedestal is done by hand. Adhesive application: Standard tools for applying construction adhesives from cartridges are required.

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.

Recommended is an inspection of terrace pavers after a storm with strong wind gusts that had sufficient force to lift an installed paver.