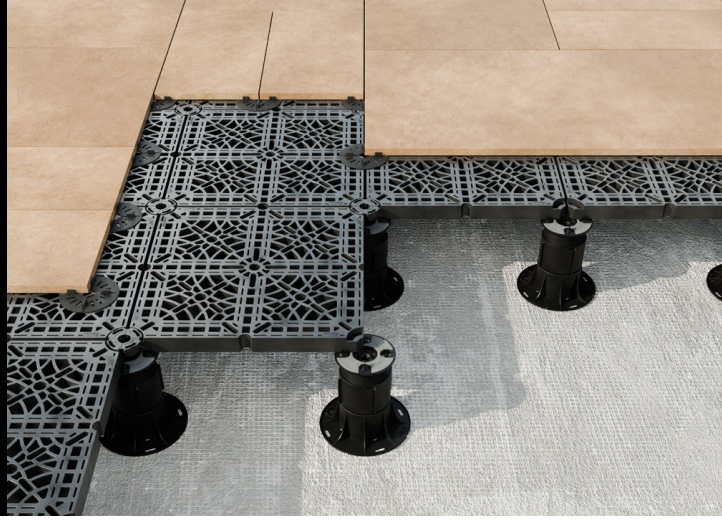
PP LEVEL GRID

Supports and systems for outdoor raised floors



DESCRIPTION

PP level GRID is a system for the installation of outdoor raised floors that creates a solid raised surface on which it is possible to manage the laying of ceramic or stone slabs* of different sizes and with different orientations without matching the underlying supports.
The grids are connected to each other through the special locking connector, giving the system stability and strength. The result is an anti-breakdown surface thanks to which the raised floor remains in place even in the unfortunate event of a slab breaking.
The system, compatible with the PP level DUO MAXI range of supports, consists of the following elements:

- PPL/GRID, polypropylene perforated grid 50x50x4 cm allowing for water drainage and post-installation adjustment;
- PPL/GRL, polypropylene connector to link the grids to each other at the vertices and give greater stability to the plane;
- PPL/GRD4, TPV spacer for 4 mm joints.

*The walking resistance on PP level GRID of stone slabs is delegated to the stone slab supplier.







MATERIALS

PP (PPL/GRID, PPL/GRL)

Black polypropylene, resistant to both acidic and basic solutions and weathering.
Operating temperature -40°C +75°C.
Mechanical properties remain unchanged over time.

TPV (PPL/GRD4)

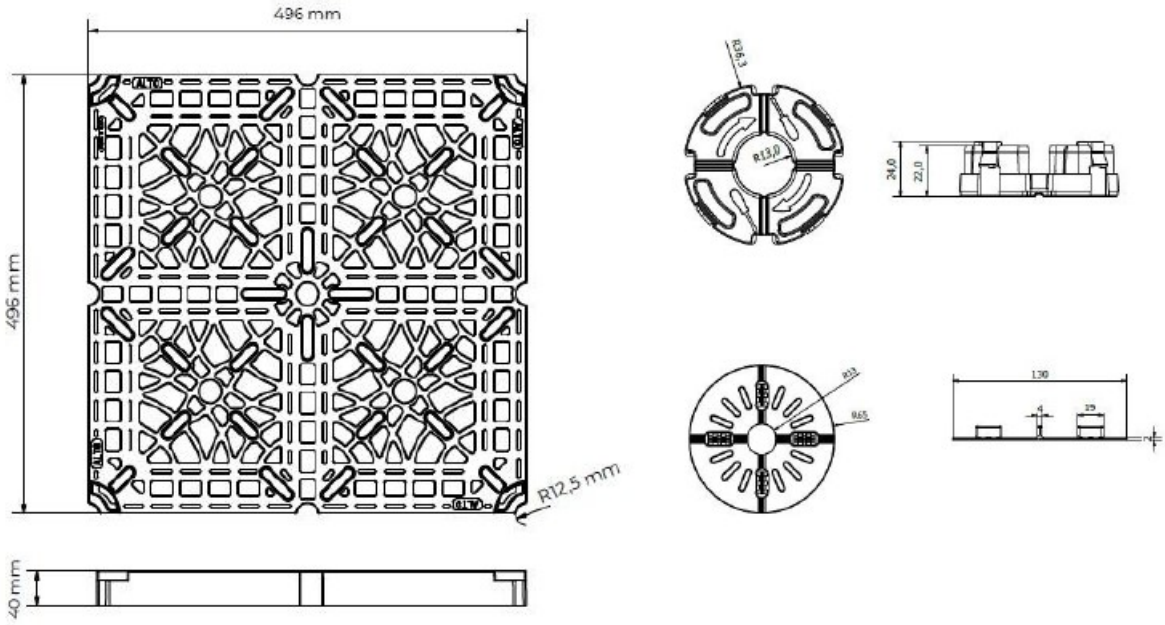
Vulcanised thermo-plastic, resistant to compression and weathering.

ENVIRONMENTAL IMPACT AND PRODUCT END-OF-LIFE

Non-hazardous waste, recyclable after disassembly of grid and connectors.
Grid and connectors are made of polypropylene (PP5).
The spacers are made of thermoplastic vulcanised (TPV).
All of the above components are 100% recyclable.

DIMENSIONS

GRID DIMENSIONS: 496x496x40 mm
CONNECTOR DIMENSIONS: Ø 72 mm, h 24 mm
SPACER DIMENSIONS: Ø 130 mm, 2 mm thick, 4 mm joint



PACKAGING AND STORAGE

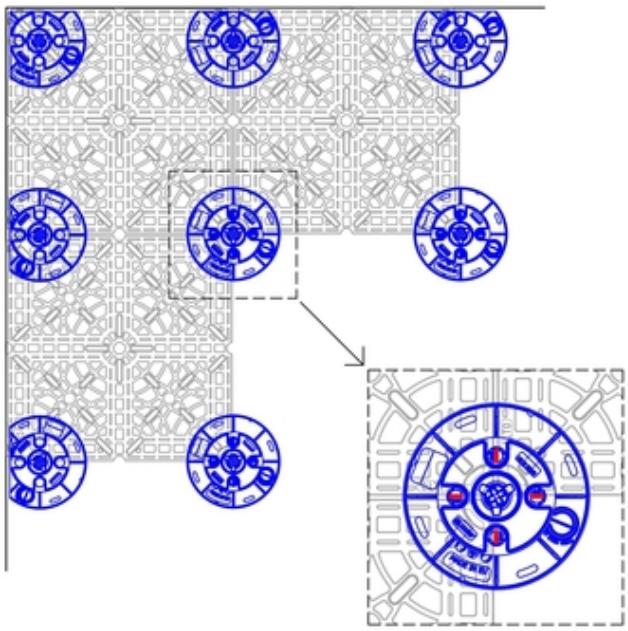
	PPL/GRID	PPL/GRL	PPL/GRD4
PIECES PER BOX	-	27	100
PIECES PER PALLET	132	5832	7200
PALLET BOXES	-	216	72
BOX SIZE (cm)	-	20x20x12	26x39x13
BANK SIZE (cm)	120x100x125	80x120x121	80x120x119

FOR EACH PALLET OF PPL/GRIDS, 5 BOXES OF PPL/GRL CONNECTORS MUST BE ADDED, WHICH ARE ESSENTIAL FOR INSTALLATION

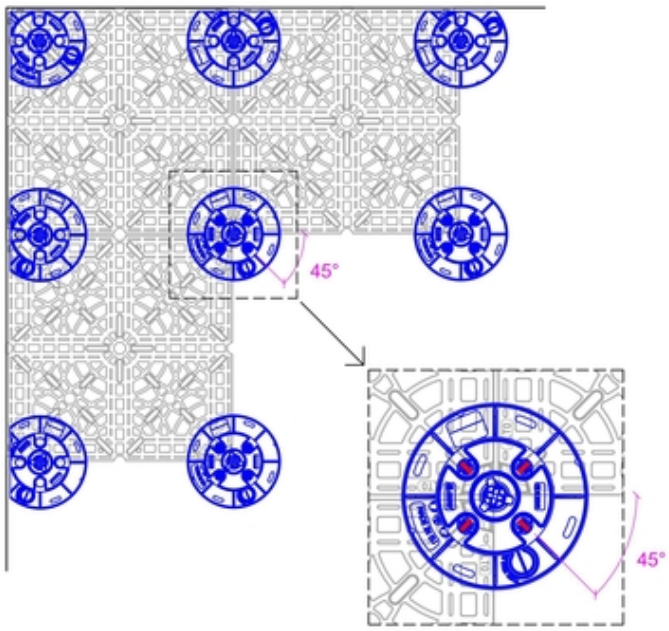
INSTALLATION

Position the PP level DUO MAXI supports with the head for 2 mm joints by placing them with a 50x50 cm mesh (for installation see the relevant technical data sheet). In case of supports with the head for 3 or 4 mm joints, turn the head by 45° so that the tabs can be inserted into the appropriate holes of the grid.
If you wish to increase the load-bearing capacity and reduce deflection, we recommend adding a support in the centre of the grid and in the middle of each of the four sides.
Place the grid on the supports and re-adjust them with the adjustment key.
Insert a connector on each intersection of four panels, in corrispondence with the supports, and lock it by turning it clockwise using another connector as a key.
Lay the ceramic or stone slabs of different sizes and with different orientations by interposing the spacers.
It is understood that the suitability of the walking surface to be placed on the grids is left to the installer and/or the supplier.
The product requires specialised manpower for installation.

PP Level Grid + PP LEVEL MAXI with heads for 2 mm joints



PP Level Grid + PP LEVEL MAXI with heads for 3 and 4 mm joints







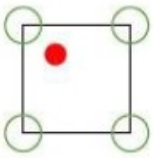


CONSUMPTION OF GRIDS, SUPPORTS AND CONNECTORS PER SQUARE METRE

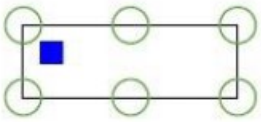
NUMBER OF GRIDS	NUMBER OF SUPPORTS/CONNECTORS	NUMBER OF SUPPORTS WITH REINFORCEMENT SUPPORT IN THE CENTRE
4	4	8

The indications in these tables are indicative and vary according to the size and geometry of the area to be calculated.

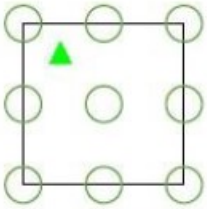
SPACER CONSUMPTION PER SQUARE METRE DEPENDING ON DIMENSIONS



30x60
40x40
50x50
60x60



40x80 30x120
45x90 40x120
60x90 60x120

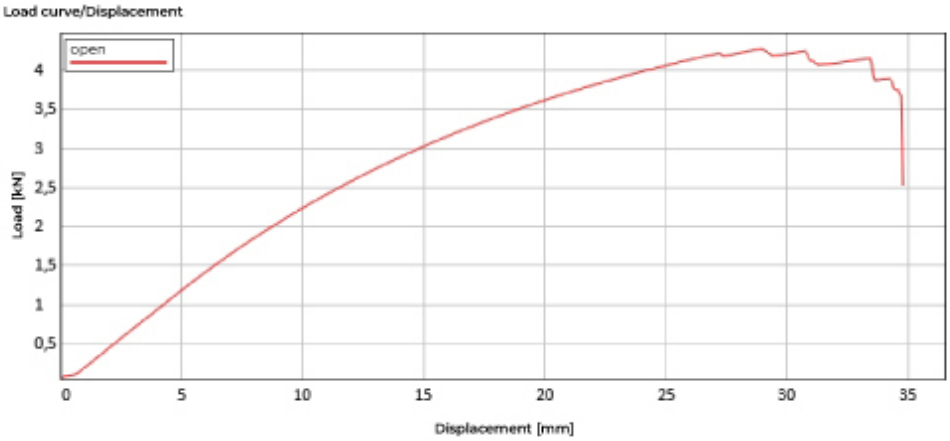


80x80
90x90
100x100
120x120

DIMENSIONS FLOOR TILES (cm)	30	40	45	50	60	80	90	100	120
30	● 11.1				● 5.6			■ 6.7	■ 5.6
40		● 6.5			● 4.2	■ 6.3			■ 4.2
45			● 4.9				■ 4.9		
50				● 4.0					
60	● 5.6	● 4.2			● 2.8		■ 3.7		■ 2.8
80		■ 6.3				▲ 6.3			
90			■ 4.9		■ 3.7		▲ 4.9		
100								▲ 4	
120	■ 5.6	■ 4.2			■ 2.8				▲ 2.8

The indications in these tables are indicative and vary according to the size and geometry of the area to be calculated.

LOAD TEST



Test carried out with a 150 mm punch on central area.

CARE AND MAINTENANCE

PP e TPV

They require no special maintenance.

FIRE-FIGHTING MEASURES

In case of fire, use extinguishing chemicals, dry sand, or solid extinguishing agents.

PP LEVEL GRID

ART.			Pallet
PPL/GRID	black PP grid dim. cm 50x50x4 h.	19295	132 pcs

no partial packaging

ACCESSORIES FOR PP LEVEL GRID

ART.			Pack	Pallet
PPL/GRL	black PP connector for grid	19296	27 pcs	5.832 pcs
PPL/GRD4	black TPV spacer for 4-mm joint	19297	100 pcs	7.200 pcs

no partial packaging

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.
Please refer to the current version of the Technical Data Sheet, available from our website profilpas.com
PRODUCT FOR PROFESSIONAL USE

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