

PP level GRID

Safety Grid for Raised Floors on Pedestals



FOR PROFESSIONAL USE ONLY

DESCRIPTION

PP level GRID System is used in combination with pedestals to offer an extra degree of safety and protection. In the unlikely event of pavers breaking, the grid will minimize any fall-through risk. The use of PP level GRID System allows the installation of ceramic pavers, natural-stone and concrete pavers of different sizes.* In addition, because the installation is free of the constraints of the pedestals underneath and because of movable head spacers, pavers can be placed on top of the grid in any pattern desired.

** Consult with the manufacturer of the flooring material as to whether its products are suitable for an installation on pedestals and safety grids. In the case of sections on artificial turf, please contact MAPEI's Technical Services Department.*

FEATURES AND BENEFITS

- **Stable:** The grids of the system are connected to each other through locking connectors, giving the system stability and strength.
- **Recyclable:** The safety grids, connectors and head spacers may be removed and recycled at the end of their service life.

WHERE TO USE

- *PP level GRID* System is used as a safety grid on pedestals for external raised floors of ceramic, natural-stone and concrete pavers.
- The system can be installed in combination with pedestals on terraces, balconies and roof decks.
- For residential and commercial applications

LIMITATIONS

- Check with the flooring manufacturer to see if the pavers are suitable for installation on safety grids and for exterior installation.
- A design professional may be required for mitigating wind uplift or wind equalization when installing in areas subject to hurricanes or heavy winds.
- As a raised support system, *PP level GRID* is not free of deflection. Consider pedestal quantity and placement based on the finished flooring layout/design.
- Pedestal systems are intended for raised floors that are under pedestrian traffic and placed furniture, not under heavy machinery or heavy wheeled traffic.

SYSTEM COMPONENTS

Compatible with MAPEI's *PP level DUO MAXI* and *PP level MINI* lines of pedestals, the *PP level GRID* System consists of the following components. The polypropylene is resistant to acidic and basic solutions as well as weather, and is suited for operating temperatures from -40°F to 167°F (-40°C to 75°C). The thermoplastic is resistant to compression and weathering:

- PPL/GRID: Polypropylene perforated safety grids that allow for water drainage
- PPL/GRL: Polypropylene connectors that link the grids to each other at vertices for stability
- PPL/GRD4: Vulcanized thermoplastic head spacers for creating create 5/32" (4 mm) joints

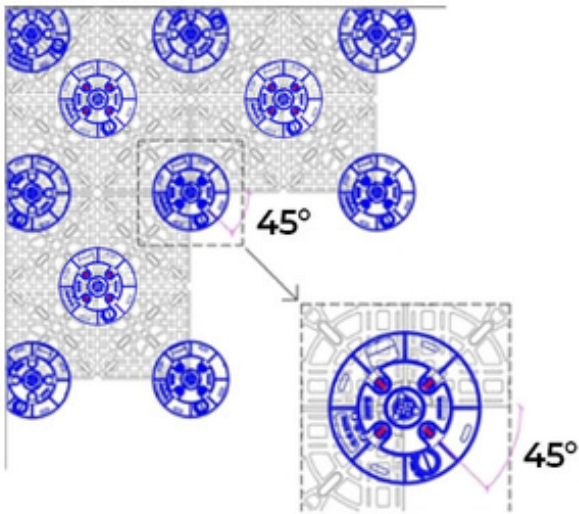


Clockwise from top left: PPL/GRID safety grid, PPL/GRL connector and PPL/GRD4 head spacer

INSTALLATION INSTRUCTIONS

Read all installation instructions thoroughly before installation.

1. Make sure that the pedestals are previously adjusted according to the desired height before installing the grid or pavers. Use the *PP Level DUO MAXI* Key for adjustments per the Technical Data Sheet for *PP level DUO MAXI*. It is advisable to keep pedestals a little higher (1/4" or 6 mm) as it will be easier to lower the system rather than to raise it later.
2. Install the safety grid on top of the pedestal head per the drawing below. Rotate the head of the pedestals so that the head spacers (in red) can fit in the proper slots of the safety grid.



3. Position the safety grids on top of previously installed and adjusted pedestals. Make sure that each corner of each safety grid is sitting on top of a pedestal for proper support. To reduce deflection, position the pedestals according to the drawing above. In some instances, based on pattern configurations and paver size, it can be necessary to place additional pedestals in the middle of the four sides of the grid or in correspondence with the paver joint alignment.
4. Always perform a meaningfully sized mockup of all system components exactly as the finished floor will be. Refer to shop drawings/blueprints to establish joint placement for the pavers. Evaluation of the suitability of this mockup is recommended before installation.
5. If a full-sized safety grid does not fit, cut it to size using a jigsaw or similar tool.
6. Depending on wall termination conditions, additional support may be required where pedestals cannot be placed.
7. Lock all the safety grids together with the PPL/GRL connector by following these steps:

Before locking the safety grid components together, make sure that everything is properly level.

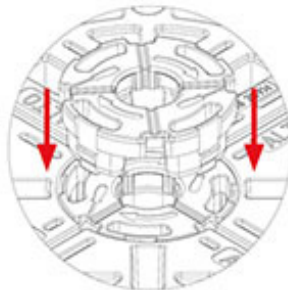
7a. First, insert a connector at the junction of safety grid corners.

7b. Push a second connector into the placed connector.

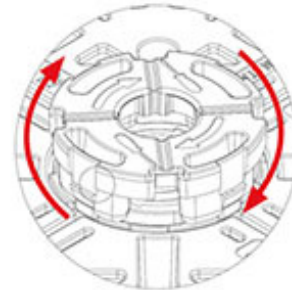
7c. Turn the second connector clockwise, which will lock the placed connector. The connector will click when it is locked in position.



Step 7a



Step 7b



Step 7c

8. Protect the safety grids from rolling loads prior to the installation of the pavers.
9. Position PPL/GRD4 head spacers into the safety grids according to the pattern of the pavers that you intend to install. A head spacer can be easily cut to size if needed and its tabs on the top can be easily removed if needed around the perimeter.

Technical Data for *PP level GRID* System Components

Item	Dimensions	Code	Packaging
PPL/GRID safety grid	19-1/2" x 19-1/2" x 1-9/16" (496 x 496 x 40 mm)	19295	132 pieces per pallet
PPL/GRL connector	2-13/16" (72 mm) in diameter x 15/16" (24 mm) in height	19296	27 pieces per pack and 5,832 pieces per pallet
PPL/GRD4 head spacer	5-1/8" (130 mm) in diameter x 3/32" (2 mm) in thickness	19297	100 pieces per pack and 7,200 pieces per pallet

ADDITIONAL INFORMATION

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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