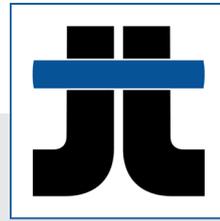


# BUILDING A TERRACE WITH PROFILDECK®

SELF-SUPPORTING TERRACE STRUCTURE  
ALUMINIUM PROFILE - HEIGHT 27 MM



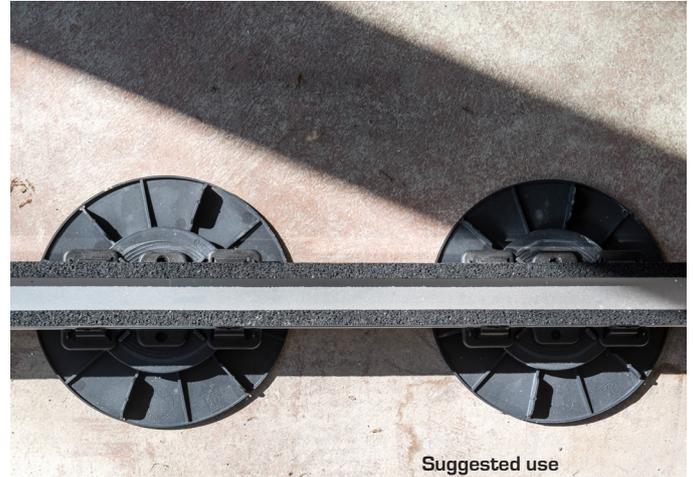
Jouplast®



[www.jouplast.com](http://www.jouplast.com)



Paving side



Suggested use



Suggested use

- › Ideal for terrace upgrade projects where space is restricted beneath the finished surface.
- › Perfect for installing large format slabs and narrows slabs.
- › Easy and quick installation.
- › Stability over time.

Document protected by copyright. Any reproduction, copy, extraction, reuse in others publications, translation or adaptation, display, distribution or modification, in whole or in part, without the written consent of TMP CONVERT - is strictly prohibited and will be sanctioned. TMP CONVERT reserves the right to add, modify or delete information to any time without warning.

# PROFILDECK® - SELF-SUPPORTING TERRACE STRUCTURE

## PROFILDECK® RANGE

### Aluminium profile - Height 27 mm :

One side for installing terrace paving and one side for installing wooden and composite decking.  
To be used with paving and decking riser pedestals - Adjustable height 20/30 mm.  
Length 3 m.

### Profildeck® screw :

Self-drilling screw. Secures adapter directly into the profile.  
Dimensions : 4.8 x 19 mm.

### Slab spacer :

Creates a 3 mm drainage channel between paving elements.  
Tabs can be split easily.

### Adapter :

Secures the Profildeck® profile to the «Essential» and «Elevo» riser head and clips onto all Jouplast® riser heads. (Except paving riser HD 8/20). Use the adapter to link to 2 profiles together with the 4 fixing points.  
Raises the height of the riser by 5 mm.

### Rubber tape :

Fixes the paving slabs to the profile, as well as reduces noise and resonance when walking on the terrace.  
To be positioned on the support rails of the slab side profile.



## TOOLS

### MINIMAL TOOLS REQUIRED :

- › A tape measure.
- › A level.
- › A screwdriver.
- › A mitre saw or chop saw with a multicut or similar blade. Alternatively, an angle grinder with an aluminium or all-purpose disc (minimum diameter 125 mm) or a hacksaw.
- › A metal file for deburring cut ends.
- › Chalk or line marking spray.

**Safety first ! Use protective glasses and safety gloves.**



## RECOMMENDATIONS

### › FOR PAVING INSTALLATION

#### DIRECTION OF LAYING

From an aesthetic perspective, it is better to lay cut slabs against walls (whole slabs on the outside).

#### BEFORE STARTING :

Before starting work, it's important - essential even - to prepare a joint layout plan\* clearly showing:

- › the cuts.
- › the spacing between profile centrelines.
- › the quantity of accessories required : adapters, riser pedestal, etc...
- › the levels.
- › the profiles connection joints. We do not recommend the use of profile lengths less than 500 mm. If, when you reach the end of the terrace, the length of profile is less than 500 mm, we recommend cutting the previous length of profile to 500 mm, so that the run to the end of the terrace can be finished with a longer section. The shorter cut section can then be used in the next run of profile.

**Also check that the height beneath the paved surface is not less than 5.5 cm at any point.**

\* Joint layout plan: the plan to follow when laying your paving.

## 1 PREPARING THE TERRACE INSTALLATION AREA

### 1.1. MARK OUT THE TERRACE INSTALLATION AREA

› Mark out the location of the future terrace on the ground.

Prepare the ground in one of two ways:

**Pro tip :**

› Make sure the area is clean and the ground is stable.

**On uneven ground :**

- › Remove about 15 cm of topsoil.
- › Lay a geotextile membrane.
- › Lay a base layer of 0/31.5 grade aggregate.
- › Compact with a vibrating plate compactor (wacker).

**N.B.:**

- › Depending on the nature of the soil, a draining foundation layer can be laid upstream by depositing a layer of 30/60 or 40/80 crushed stone.
- › If the resulting surface is still uneven, we recommend laying a bed of quarry sand or 0/4 crushed sand. This will make it easier to install low riser pedestals.
- › We recommend using the vibrating plate compactor between each layer.

**On a concrete support :**

- › Remove any debris, stones, etc. that could make it more difficult to position and stabilise the riser pedestals.
- › Check that the levels are correct according to the layout plan and that there is at least 5.5 cm of clear space below the paving at the lowest point.

**N.B.:**

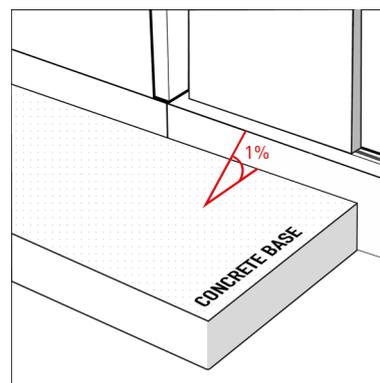
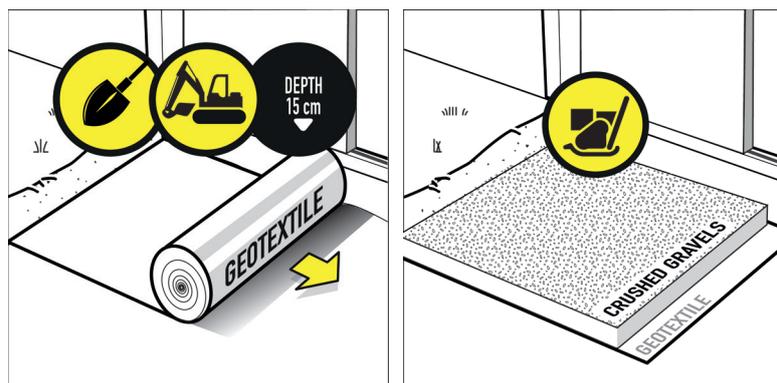
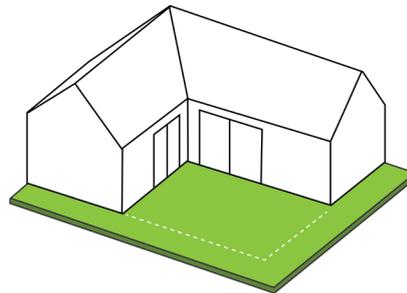
- › Profile + adapter + rubber tape = 3.5 cm plus the height of the riser pedestal (min. 20 mm).

### 1.2. MARK OUT THE POSITION OF THE PROFILES

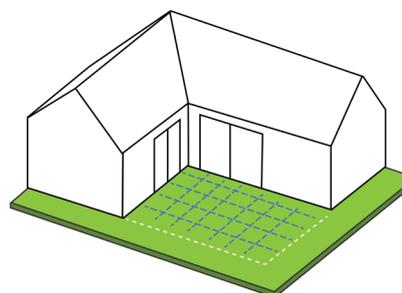
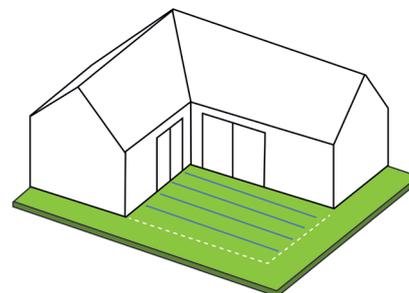
- › Use a chalk line to clearly mark the spacing between profile centrelines\* shown on the layout plan.
- › The spacing between profile centrelines is dictated by the size of the paving tile and/or its manufacturer's recommendations.

### 1.3. MARK OUT THE RISER PEDESTAL POSITIONS ON THE GROUND

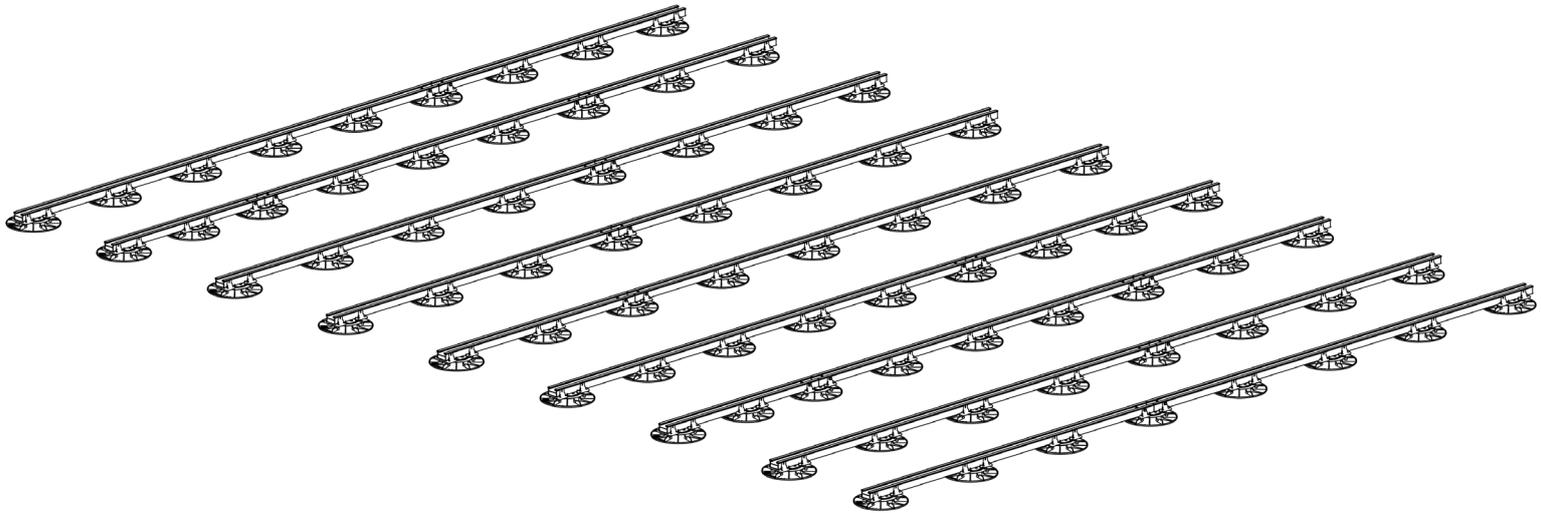
- › Use a chalk line to clearly mark the position of each line of riser pedestals at right angles to the recommended profile centreline spacing.
- › The recommended spacing distance for riser pedestals is 50 cm.



Minimum slope percentage 1%.



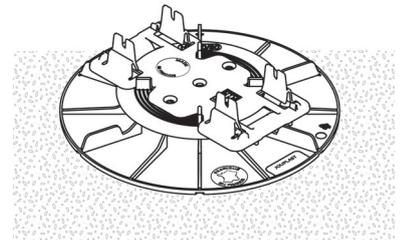
\* Spacing between profile centrelines: the distance between the centrelines of two joists.



#### 2.1. POSITION THE PROFILES AND RISER PEDESTALS

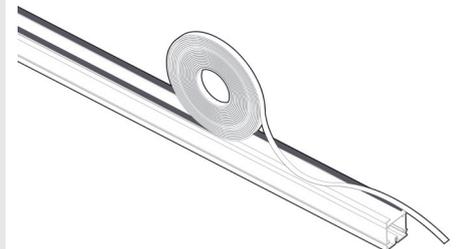
- › Choose your starting point from your layout plan.
- › Place the first profile in the location shown on the plan.
- › Clip the adapters onto the riser pedestals.
- › Clip the profile to the riser pedestal at each end by pushing the profile until it clicks into place - then set the level using the nut.
- › Then clip the profile into the intermediate riser pedestals and adjust the height to your desired level.
- › Maintain the centreline spacing between riser pedestals as recommended in § 1.3.
- › Set the levels and position string lines, stakes or other markers using the first profile installed as your reference, and repeat the operation for all other profiles.

*N.B.: remember to take account of features like inspection covers, junction boxes, skimmer inlets, door thresholds, etc.*



#### 2.2. APPLY THE SELF-ADHESIVE RUBBER TAPE

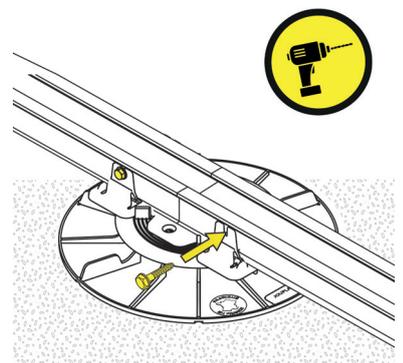
- › As you progress, and ensuring that the profile is clean and dry, apply the self-adhesive rubber tape to the face on which the paving will be laid.



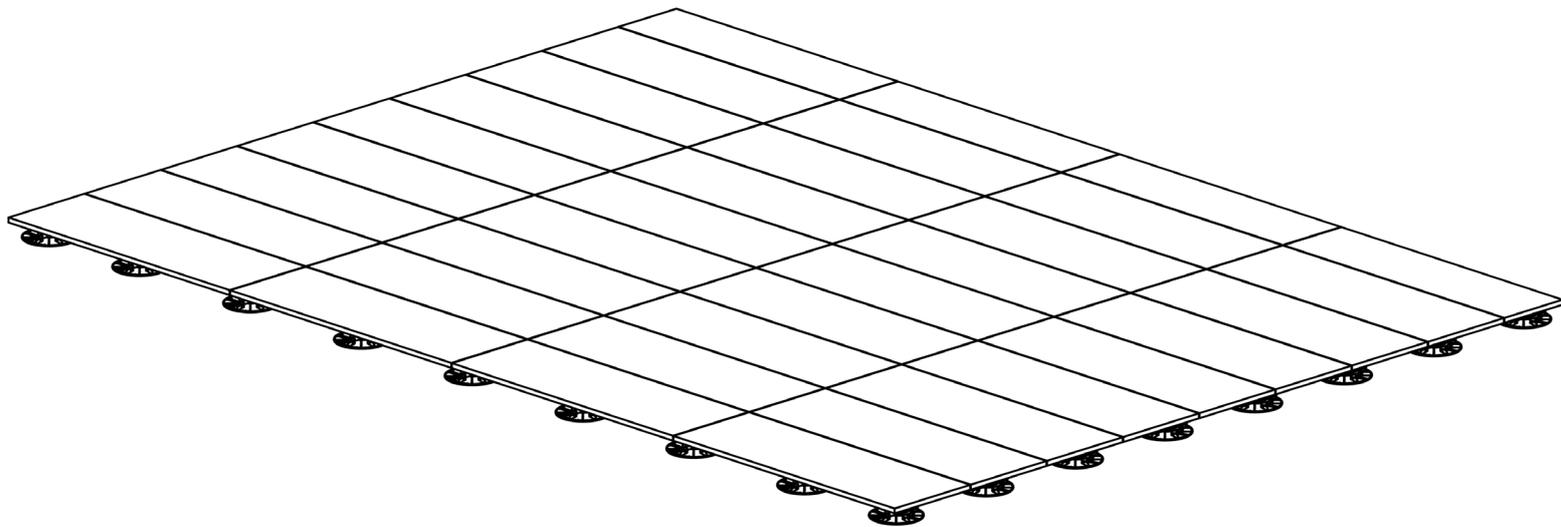
#### 2.3. JOINING PROFILES

- › Profile lengths greater than 3 metres should be connected using the adapters.
- › Position a riser pedestal fitted with an adapter beneath each joint.
- › Screw the adapter to the profiles at all 4 fixing points using self-drilling Profildeck® screws. We recommend leaving a gap of 2 mm between profiles to allow for expansion.
- › Repeat for each profile joint.

*N.B.: the torque rating\* for our structural screws is 2.5 Nm ±0.5. As a guide, a torque rating of 2.5 Nm normally corresponds to position 8 on the adjuster of a 20-position 18-volt drill/driver.*

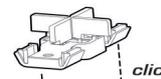


\* Torque rating: the parameter used to measure the rotational force of a screwdriver.



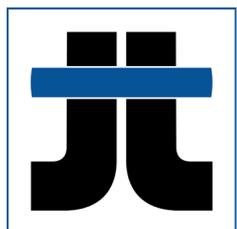
#### 3.1. USE THE SPACERS

- › Lay the paving, starting at the corner of the layout plan.
- › As you progress, click the spacers into the central rail of the profile.
- › If you are laying your paving in a staggered pattern, break off any tabs that are not required.
- › Readjust the centreline spacing distance and level as you progress.



# BUILDING A TERRACE WITH PROFILDECK®

SELF-SUPPORTING TERRACE STRUCTURE  
ALUMINIUM PROFILE - HEIGHT 27 MM



**Jouplast®**



Since 1986, JOUPLAST® have been the leading manufacturer of paving and decking riser pedestals. We continue to grow and develop innovative solutions for both the domestic and commercial markets.

The success of JOUPLAST® is down to a combination of great technical expertise, creative design and a desire to manufacture products which meets the needs of the markets.

JOUPLAST® is a brand of



**TMP CONVERT**

**OUR GOAL : TO PROVIDE A FULL RANGE OF INNOVATIVE PRODUCTS  
THAT MAKE THE JOB EASIER.**

