



**Pietrucha**  
Established 1960

# TerraDeck

WPC decking boards

A stylish solution that you will enjoy for many years

Made in Poland

Quality supported with 25 years'  
experience in plastics processing



The Pietrucha Group is a Polish family company specializing in the manufacturing and distribution of highest-quality and advanced building materials used broadly in the construction and civil-engineering sector.

We deliver our products to nearly 3500 customers in 34 countries on 5 continents. For over 55 years, the name Pietrucha has been associated with an honest family business, run in accordance with the rules of mercantile reliability. Despite the scope of its operations, the Pietrucha Group has remained a family business, managed by a third generation of entrepreneurs.

Our offer includes the TerraDeck system of decking boards made of wood flour and PVC. The TerraDeck solution is an aesthetic, durable and environmentally friendly alternative to wood or composite materials containing polypropylene. The composite material obtained from the mixture of wood and polymer look like wood but are durable and resistant to atmospheric conditions.

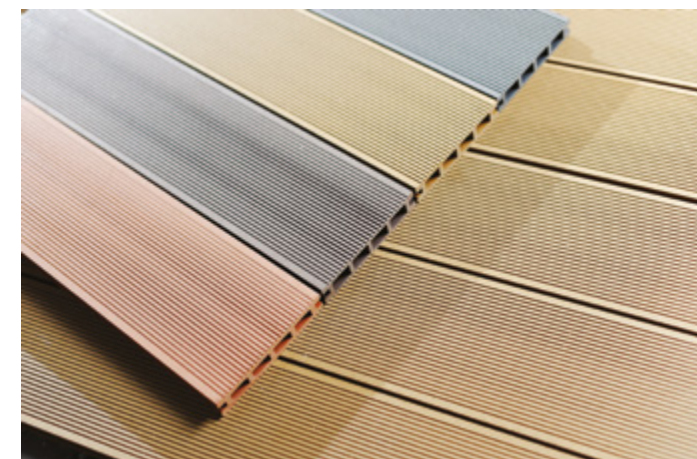
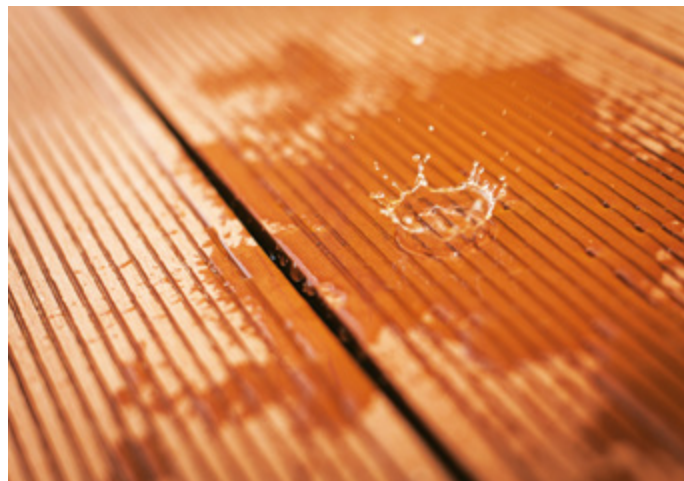


# TerraDeck

Stylish ambience that you will enjoy for many years

## EXPERIENCE AND THE HIGHEST QUALITY

We have over 25 years' experience in the manufacturing of building and construction materials. We have developed a unique ShieldFix formula combining specially selected compatibilizer to WPC materials and mineral agents absorbing humidity. ShieldFix significantly increases the resistance of our decking boards to atmospheric conditions.



## SELECTED APPLICATIONS

- Swimming pools
- Terraces and porches
- Bridges, dais and scene floors
- Sun breakers, dividing walls of balconies
- Decorative elements of elevation
- Tables, benches, flowerbeds

## TERRADECK: BETTER CHOICE THAN WOOD!

- Higher durability and resistance to pressure.
- Resistance to frost, humidity, fungus, insects and rodents.
- Safe and inflammable construction material.
- Does not require painting and complicated maintenance.

## THE PERFECT CHOICE

### Durable and resistant to the atmospheric conditions

- TerraDeck decking boards do not rot, bloat or erode, are resistant to delamination and buckling, keeping their original shape and parameters.
- UV, heat, frost and humidity resistant.
- Maintenance friendly.

### User friendly

- Non-slippery surface, both in wet and dry conditions.
- Easy to clean using standard methods.
- Environmentally friendly, partly manufactured from recycled material, 100% recyclable.
- Processing similar to wood but without splinters.

### The highest quality and a wide range of applications

- TerraDeck is an excellent quality, environmentally friendly wood substitute.
- Natural look resembling the wood surface and structure.
- Available in a wide range of colours.
- Solid and aesthetic finish.



## ADVANTAGES OF PVC BASED MATERIALS OVER THE PRODUCTS CONTAINING POLYPROPYLENE (PP)!

- Higher resistance to atmospheric conditions.
- In low temperatures, PP boards vitrify and as a result may become fragile and prone to cracking.
- Safer to use. Boards containing PP are more slippery.
- Natural look. TerraDeck looks like wood rather than like paraffin as in the case of PP-based products.

## FREQUENTLY ASKED QUESTIONS:

### 1. Is the TerraDeck system covered with guarantee?

We have over 25 years' experience in the manufacturing of building materials and our own R&D division which has been working on the development of our products. The manufacturing technology of the TerraDeck system uses the ShieldFix formula based on specially selected compatibilizer to the WPC materials containing PVC as well as special humidity absorbing agents.

### 2. Does the TerraDeck system require any special maintenance?

The TerraDeck elements are extremely resistant to biological and atmospheric damage and do not require any special maintenance. They are easy to clean using standard methods. More difficult stains may be treated with sand paper or wire brush.

### 3. Why the TerraDeck decking boards are a better choice than wood?

The TerraDeck system keeps all parameters of advanced plastic materials and their surface feels like wood. Wooden boards lose colour, rot and crack. They also require costly and time-consuming conservation works at least once a year. WPC is stronger, weatherproof and very easy to maintain. In addition, their surface is not slippery and it does not leave splinters – a quality which is especially valuable to parents who care about the safety of their children.

### 4. Why the TerraDeck system is a better choice than the composite material based on polypropylene?

There are many different types of composite materials available on the market. One of the popular is the cheap composite material containing polypropylene. When making the purchase decision, it is worth considering the PVC composite material. It is slightly more expensive but at the same time, more durable, harder and resistant to low temperatures and mechanical damage. PVC is also safer to use because it is much less slippery.

### 5. Does TerraDeck require any special installation?

The TerraDeck decking boards are assembled using standard methods and tools as the one used in case of wood. They are however splinter-free.



STYLISH AMBIENCE

THAT YOU WILL ENJOY  
FOR MANY YEARS



# TerraDeck

## Types of boards

### VARIANTS OF BOARDS

Rich corrugated surface or the extruded tree ring pattern make the TerraDeck boards non-slippery even when wet. Our offer includes four types of decking boards: standard, hollow, hollow ECO, premium.



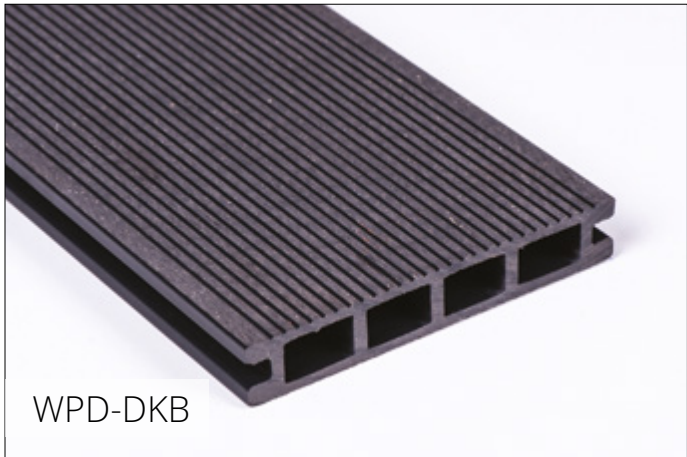
WPD-DT

**STANDARD**  
BROWN



WPD-DK

**HOLLOW**  
TEAK



WPD-DKB

**HOLLOW ECO**  
GRAPHITE



WPD-DP

**PREMIUM**  
LIGHT BROWN

### COLOUR

All TerraDeck system elements and accessories are available in four colours, which gives endless application opportunities, from terraces, swimming-pool decking, fences to pergolas, tables, benches or flower beds. The TerraDeck boards may also be applied to construct barriers and railings, elevation panels and ceilings.



TEAK



LIGHT BROWN



BROWN



GRAPHITE



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### THE COMPLETE SYSTEM

The TerraDeck system includes a full range of accessories, including half boards, baseboards, railings, barriers, joists and fixing clips.



# TerraDeck Assembly

## Step 1. Preparing the ground

TerraDeck Composite Terraces Systems are designed to be installed on: Concrete, Stable ground (with 10-15 cm sand layer, stabilized and hardened with cement), Specially prepared steel, wooden or aluminum frame.

Please, remember about the construction slope (1 cm by 2 m) in order to ensure water drainage and to protect the ground from overgrown undesirable vegetation.

## Step 2. Fixing the joists to the ground.

BSM-WPC joists should adhere to the ground the whole length. In case of fixing them to the ground, the joists should be mounted on concrete blocks in accordance with the rules of the construction crafts. All joists should be fixed to the floor using appropriate dowels, anchors and stainless screws.

Joists should be arranged parallelly and the recommended distance is min. 30-35cm, and max. 40 cm. In the place of public use and pedestrian traffic should be taken 25 cm.

In order to maintain proper dilatation, the distance between the joist and the wall or other adjoining structure should be at least 10 mm.

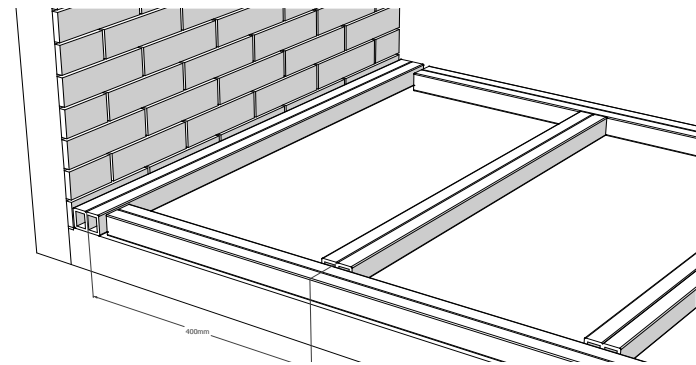
During assembly, please, remember to ensure adequate drainage by arranging the joists parallel to the flow direction.

The composite terrace boards should be laid out perpendicularly to the joists, leaving a gap of 10 mm between the joists to ensure free drainage.

The joists are fixed to the ground with dowels. Before the assembly, pre-drill holes for each joist, using a wood drill. It is recommended to keep a 50 cm distance between the dowels, starting at a distance of 6 cm from the edge of the joist.

To fix the joist with a dowel, pre-drill the top of the BSM-WPC joist with a larger drill so that the screw head may be easily inserted. The bottom part of the drill-hole should closely match the diameter of the screw.

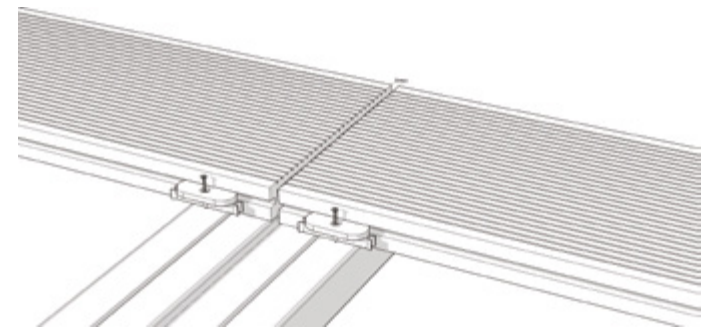
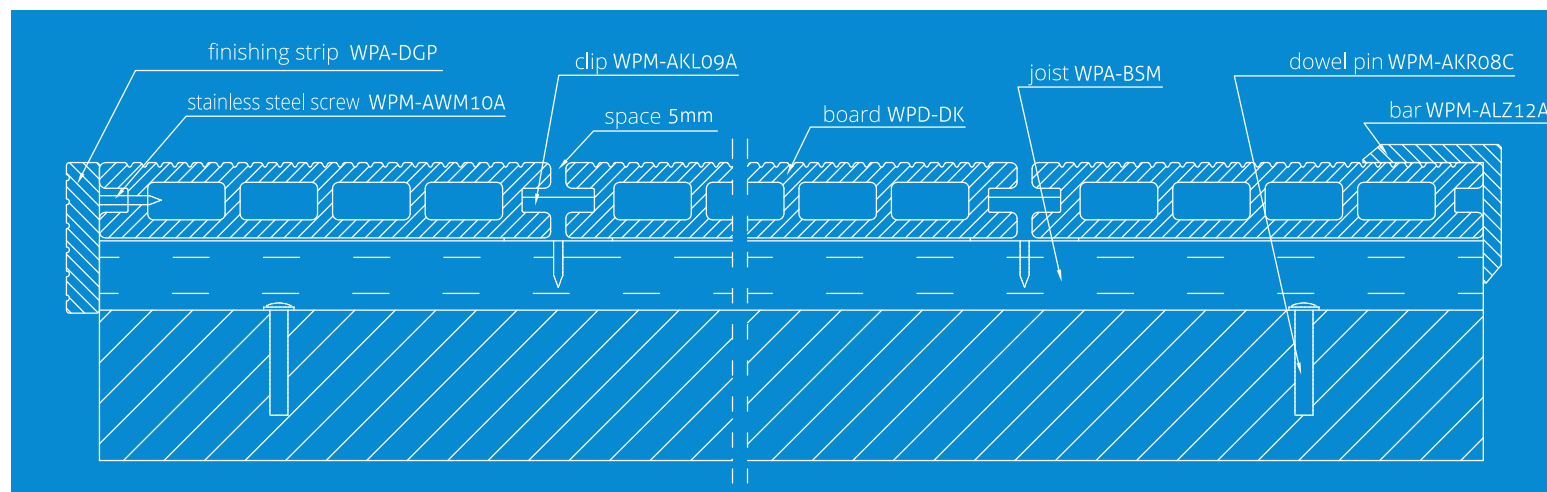
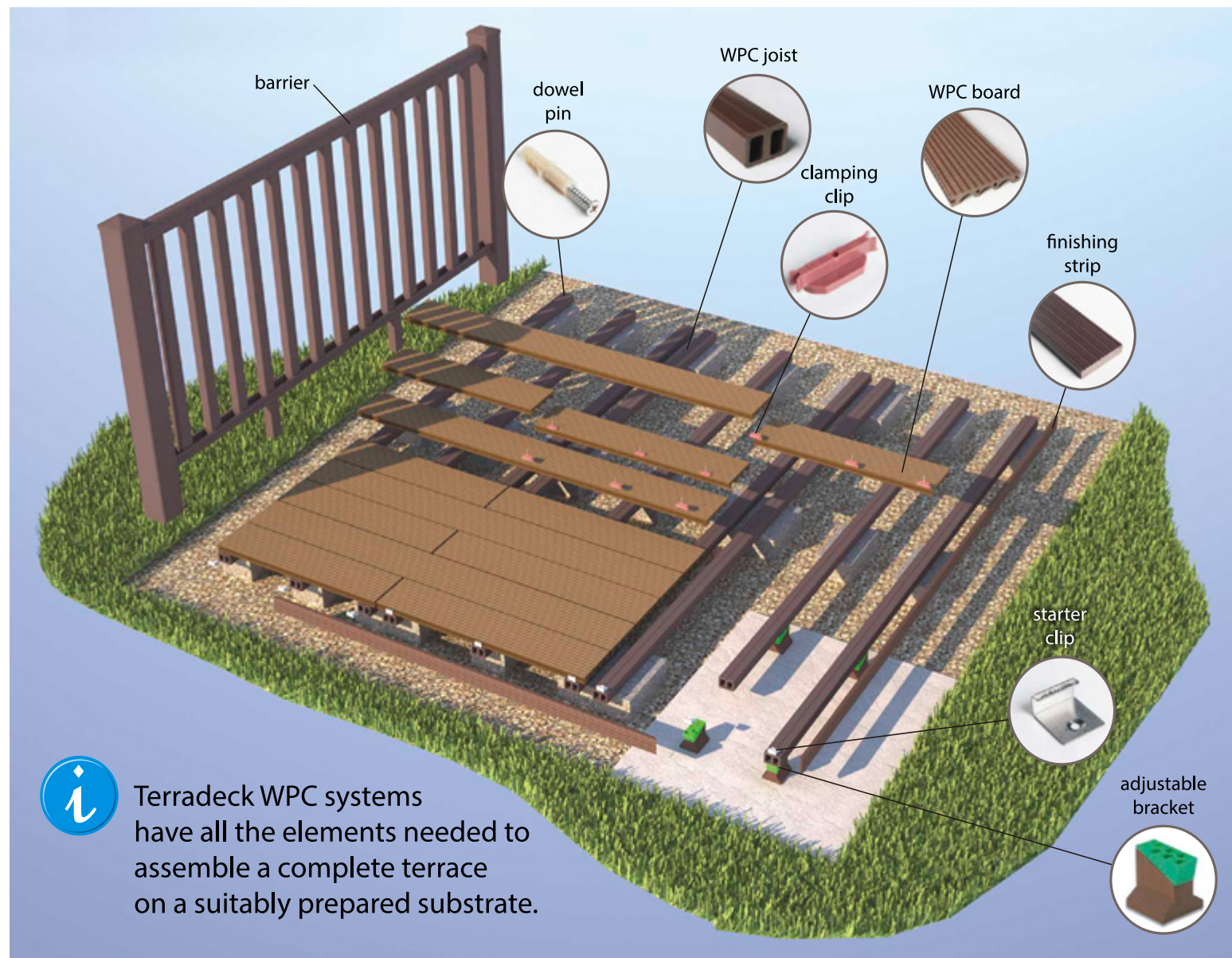
To join terrace boards, it is necessary to install additional joists to support shorter board sections. Connecting clips should be used in case of terraces with a length of up to 4 m, maintaining a 6-mm dilatation gap. For boards longer than 4 meters, the dilatation gap should be increased accordingly.



## Step 3. Assembly

The TerraDeck boards should be fixed to the BSM-WPC joists using special clips with stainless steel self-drilling screws.

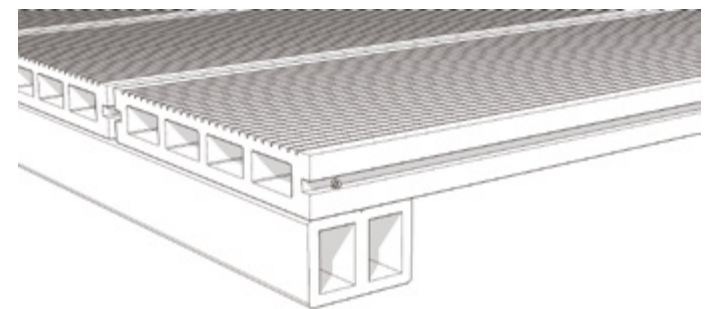
The assembly starts by screwing WPM-AKN09D2 starter clips to the joists using screws WPM-AWM10A. To avoid cracking of the composite material, it is recommended that the clips should be fixed at a minimum distance of 2 cm from the edge of the composite board. Once the starting clips have been fixed, the first board may be mounted and placed on the joists.



Then, insert the WPM-AKL09A or WPM-AKM02H standard clips using the included WPM-AWM10A screws, fasten them to the joists (previously drilled).

The terrace furniture should be laid with a ribbed / non-slippery side up, perpendicular to the joists. You may also create oblique patterns while maintaining the appropriate distance between the joists.

It is recommended that the boards be placed alternately keeping minimum shifts of 50 cm. After screwing, the clips should be firmly attached to the boards, so as to ensure a durable connection and a permanent dilatation gap between the deck boards of 5-6 mm.



The last element should be fastened with a self-drilling screw WPM-AWM10A screwed to the joist.

## Step 4. Finishing

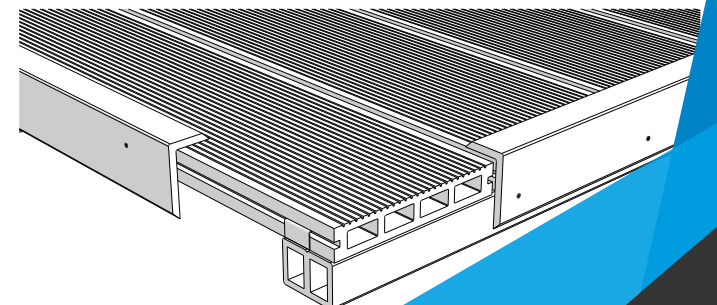
Please, make sure that all TerraDeck boards ends are laid on joists and fixed to them.

After attaching, use rotary saw to align all the ends (remember about 6 mm gap from the partition of the board)

In order to ensure adequate air and water circulation the side cover should be fixed to the top level of the deck board.

It is recommended to use self-drilling screws made of stainless steel to fix the side covers.

The edges of the terrace can be finished with the WPC WPA-LZ covers. The corners should be cut at a 45 degree angle. Use the self-drilling screws for assembly.









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