

## INSTALLATION INSTRUCTIONS FOR WPC DECKING

### 1. SAFETY PRECAUTIONS

- Wear safety gloves, goggles and dust mask during cutting and installation.
- Use carbide-tipped saw blade for cutting WPC boards.
- Keep working area dry and clean.
- Do not install in extremely low temperature below -10°C.
- Leave enough expansion gap for thermal contraction & expansion.

### 2. REQUIRED TOOLS & ACCESSORIES

- Electric saw, drill, tape measure, level, rubber hammer
- Stainless steel hidden clips, start clips, end caps
- Aluminum/Plastic joist (support keel)
- Stainless steel screws

### 3. GROUND BASE REQUIREMENTS

- The ground must be flat, solid, dry and well-drained.
- Slope the base 1%-2% for water drainage to avoid water accumulation.
- Remove weeds, stones and soft soil before installation.
- Concrete floor, cement floor or gravel floor are all acceptable.

### 4. JOIST (KEEL) LAYING STANDARD

- Lay joists horizontally first, keep straight and level.
- Center distance between two joists: MAX 35cm
- Keep 5-10mm gap between joists for ventilation.
- Fix joists firmly on the base with screws.
- For stair & heavy load area, shorten joist spacing to 25cm.

### 5. MAIN DECK BOARD INSTALLATION

- Place WPC deck boards on fixed joists one by one.
- Reserve side expansion gap: 5-8mm between each deck board.
- End gap between two boards: 3-5mm
- Use hidden fastener clips to fix boards on joists, no visible screws on surface.
- Tap boards gently with rubber hammer to keep tight and flat.
- Keep all boards in same direction for beautiful appearance.

### 6. EDGE & FINISHING INSTALLATION

- Install starting clip at the first deck board edge.
- Install side fascia board for deck perimeter decoration.
- Seal board ends with plastic end caps to prevent dust & water inside.
- Cut boards neatly according to actual site size.

### 7. EXPANSION GAP RULE (VERY IMPORTANT)

- Low temperature installation: reserve larger gap

- High temperature installation: reserve smaller gap
- Must leave gaps to avoid board bending, arching and deformation in hot summer.

#### **8. STAIR & STEP INSTALLATION**

- Fix thicker WPC solid board as stair tread.
- Fasten tightly with stainless steel screws.
- Keep anti-slip surface upward.
- Ensure each step height is consistent.

#### **9. DAILY MAINTENANCE & CLEANING**

- Clean surface regularly with water and common neutral detergent.
- Use brush to remove dirt and leaves.
- Do not use strong acid, strong alkali or corrosive cleaner.
- No painting, no waxing needed.
- Avoid long-time burning high temperature on board surface.

#### **10. NOTICE**

- WPC decking has slight color difference in different batches, it is normal.
- Do not drag heavy sharp objects on deck surface.
- Snow and ice can be cleared with soft tools, no sharp shovel.
- Professional installation is recommended for large project.