



OBI CATALOG OF WPC TIMBER TUBE

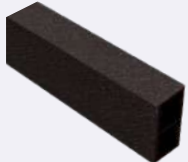
INTRODUCTION

®

WPC Timber Tube, mainly made of wood fiber and HDPE, is designed for exterior applications, e.g., architectural louvers, partitions, fences, and baffle ceilings. As a versatile architectural element applied in outdoor environments, it's made with great density and durability, holding strong against mold, mildew, termites, and all kinds of extreme weather conditions.

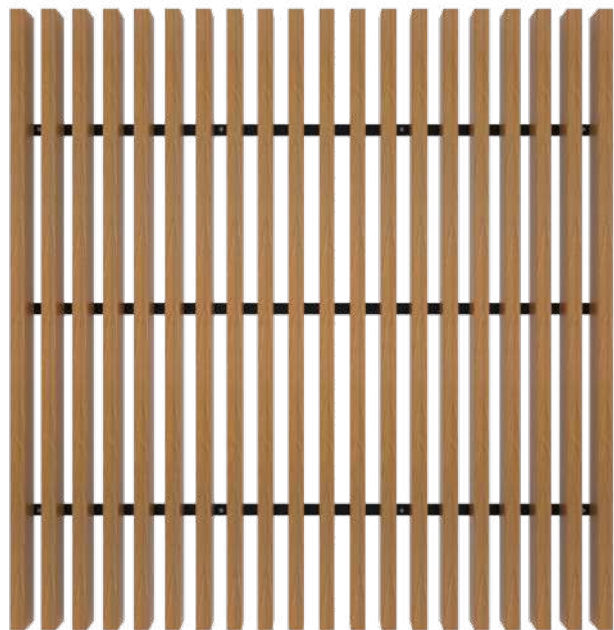


MODELS

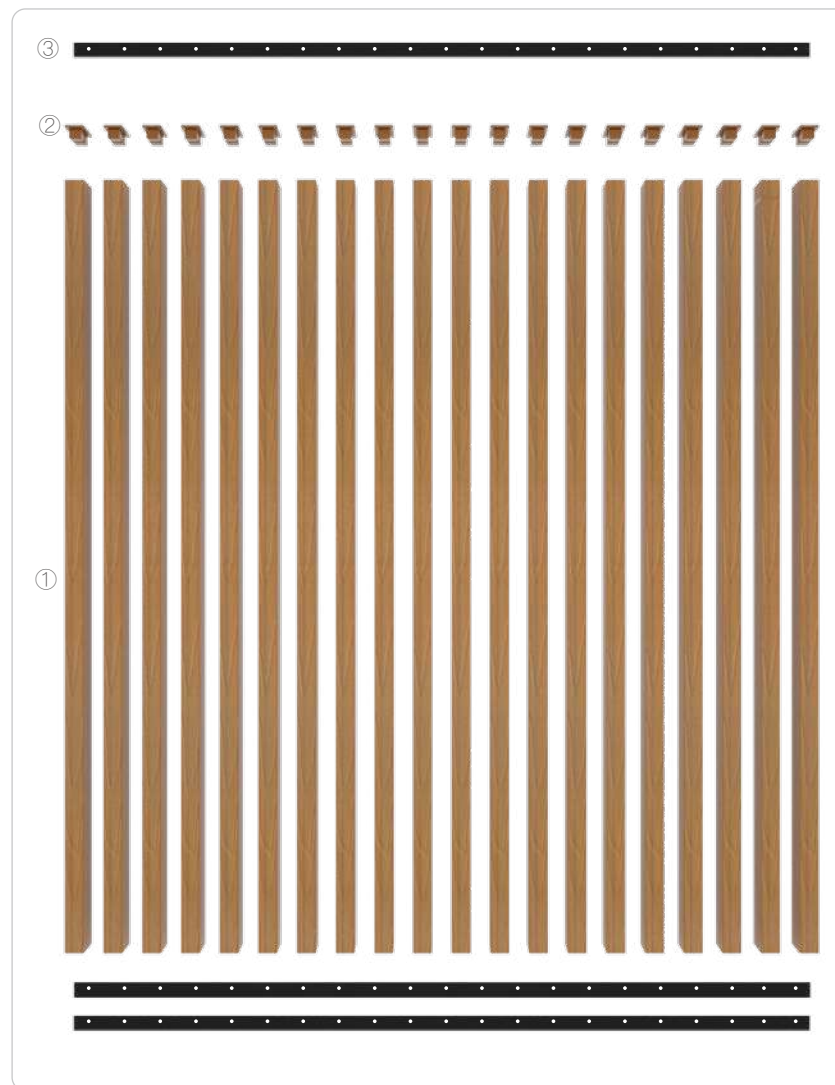
Series	Product	Item	Size	Sectional View	Available Colors	Surface
Capped		CT-04	50*100mm		 Oak  Walnut	 Aurora  Brush
		CT-05	50*150mm			
		CT-06	50*50mm			
3D Wood Grain and Sanding		TH-14C	40*180mm		 Cedar  Coffee  Cedar  Coffee	 Modern  Sanding
		CT-04B	50*100mm			
		CT-05B	50*150mm			
Sanding		TF-03A	40*50mm		 Cedar  Coffee	 Sanding

Architectural

MEASUREMENT



COMPONENTS



Models for Choice



① Timber Tube
TF-03A(50*40mm)



② End Cap
TE-01(50*40mm)



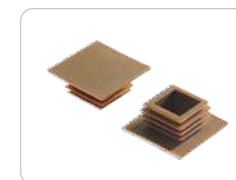
① Timber Tube
CT-04/04B(50*100mm)



② End Cap
TE-02(50*100mm)



① Timber Tube
CT-06(50*50mm)



② End Cap
TE-05(50*50mm)



③ Metal Plates
GP-01(30x2000xT3mm)

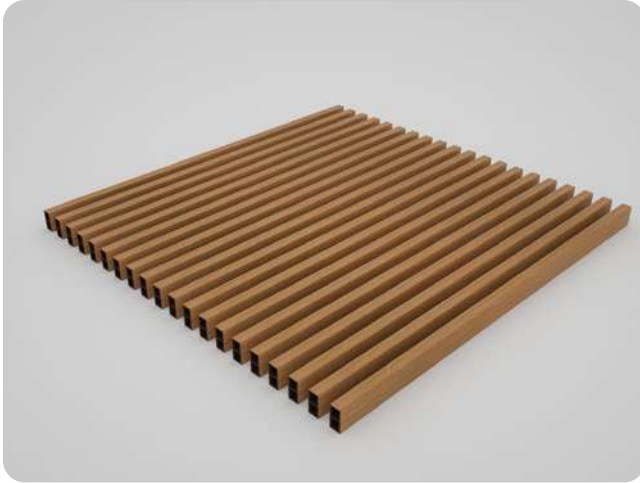


④ Rivet
AS-01(4.8x20mm)

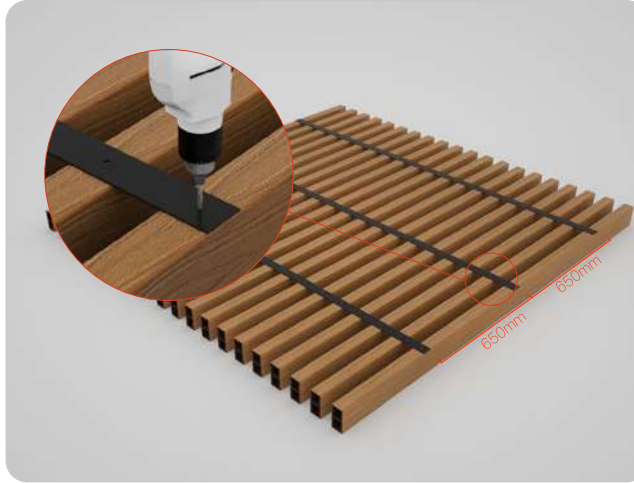


⑤ Expansion Screw
FE-L80(6x80mm)

Architectural



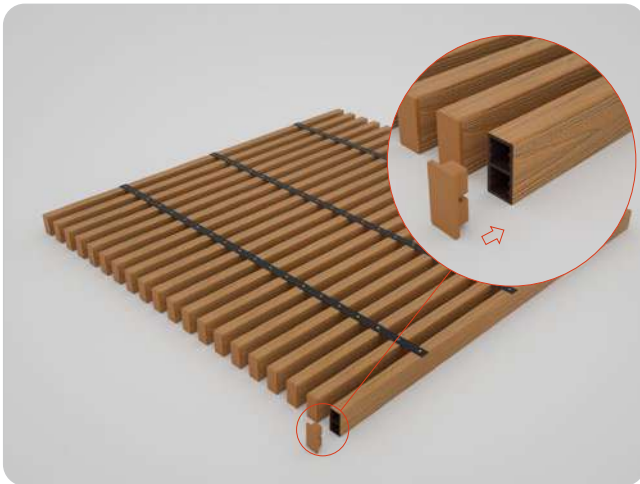
1. Arrange timber tubes in the same length on the ground, evenly spaced, as a single assembly.



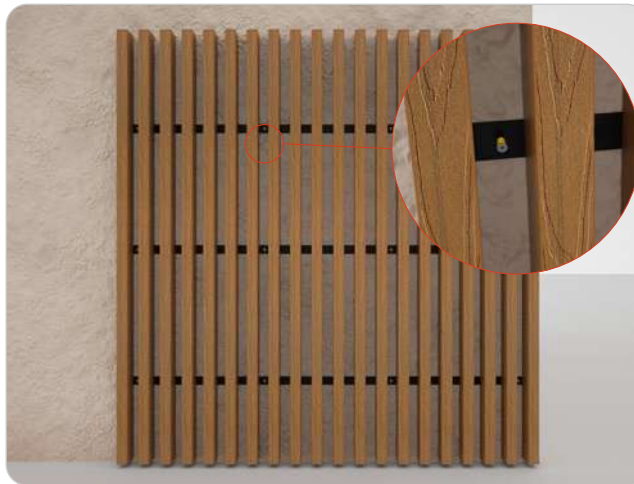
2. Place the metal plate in the middle, perpendicular to the timber tubes, and pre-drill pilot holes on the timber tubes with M5 drill bits. More metal plates can be added near the ends if necessary to secure the assembly, the spacing between metal plates should be 650 mm.



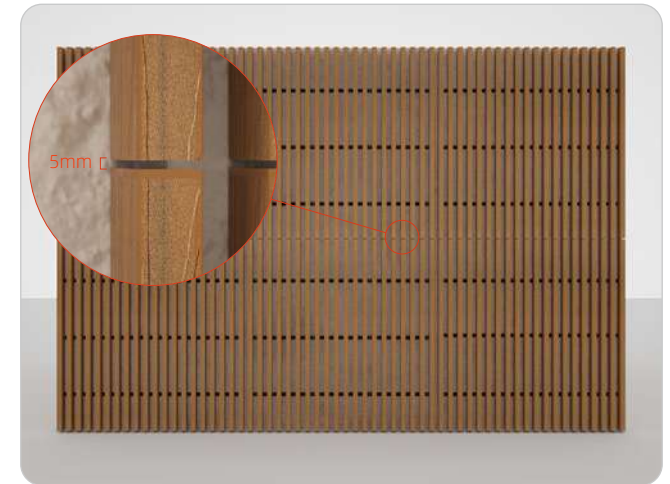
3. Fix the metal plates to the timber tubes with rivets.



4. Put on end caps at the ends facing upwards.
Note: When timber tubes are installed horizontally, end caps might not be necessary.



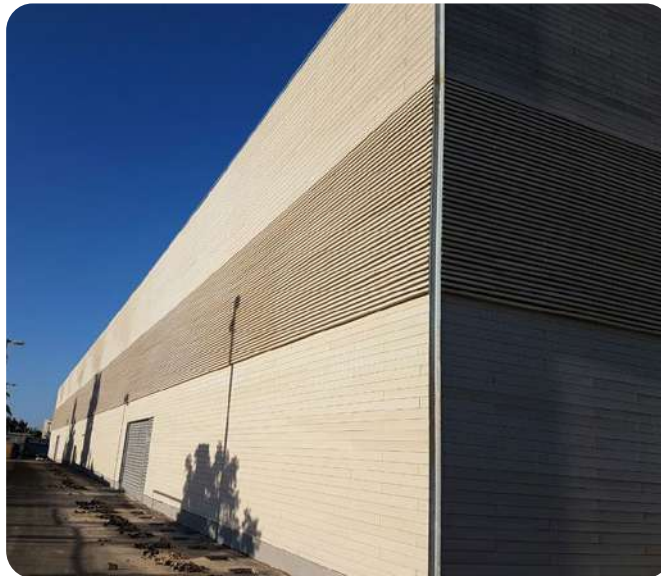
5. Fix the assembly to the wall with ribbed anchors.
Note: To avoid deformation and ensure satisfactory installation, each assembly should be wholly lifted with a crane when fixed onto the wall.



6. Continue installing the rest timber tube assemblies.
Note: Keep an expansion gap of 5 mm between adjacent squares.

Architectural

◆ PROJECT CASE

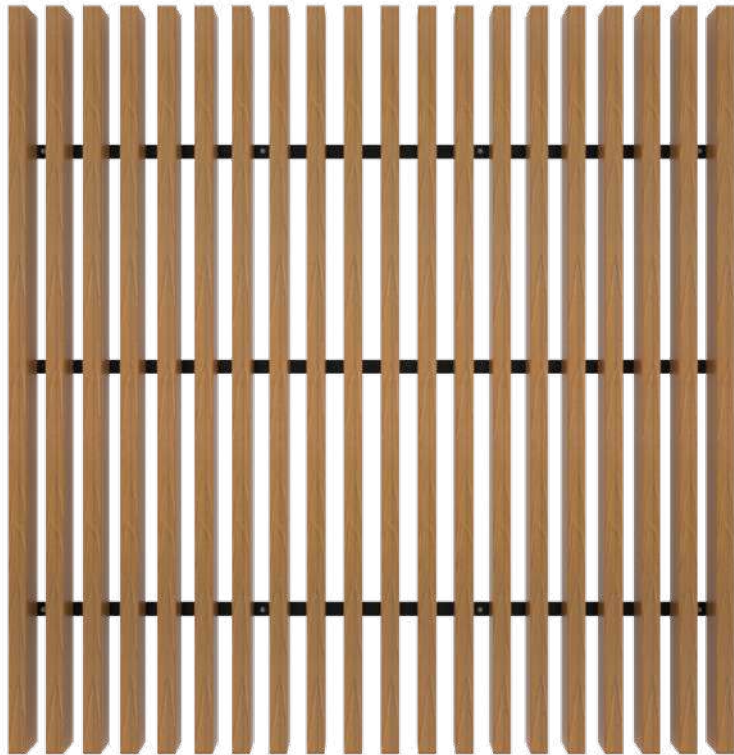


◆ ADVANTAGES

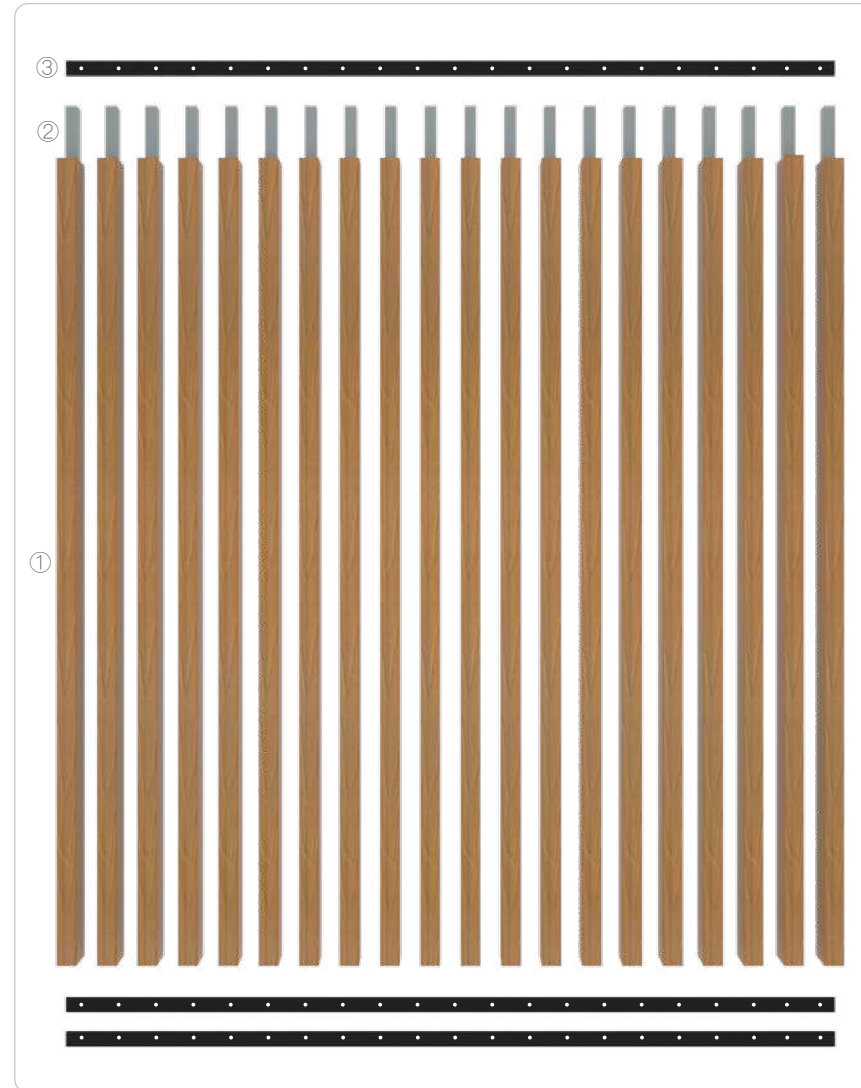
- Simple and easy to do, with increased effectiveness.
- Well-built metal plates ensure a good fit.
- Rivet fixing eliminates the risk of cracking.
- Easy assembly enables flexible styling.

Baffle Ceiling

◆ MEASUREMENT



◆ COMPONENTS



① Timber Tube
CT-04/04B(50*100mm)



② Galvanized Steel Tube
GI-4*3(40x30xT1.5mm)



③ Metal Plate
GP-01(30x2000xT3mm)

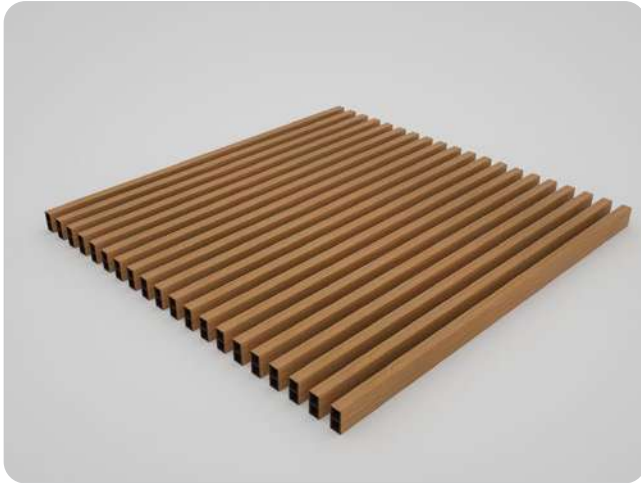


④ Rivet
AS-01(4.8x20mm)

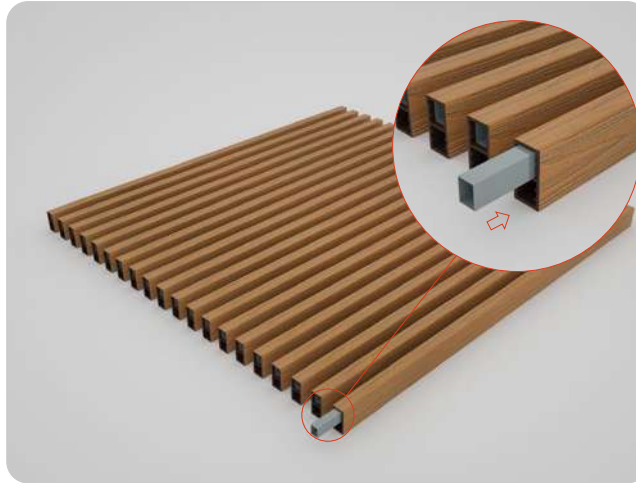


⑤ Expansion Screw
FE-L80(6x80mm)

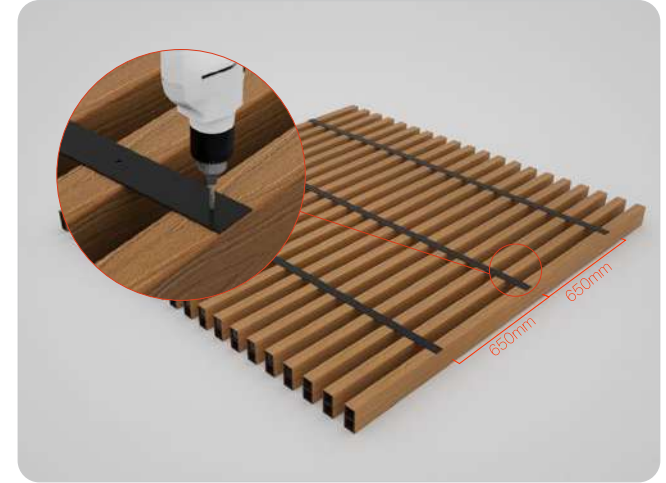
Baffle Ceiling



1. Arrange timber tubes in the same length on the ground, evenly spaced, as a single assembly.



2. Slide galvanized steel reinforcement into the timber tubes.



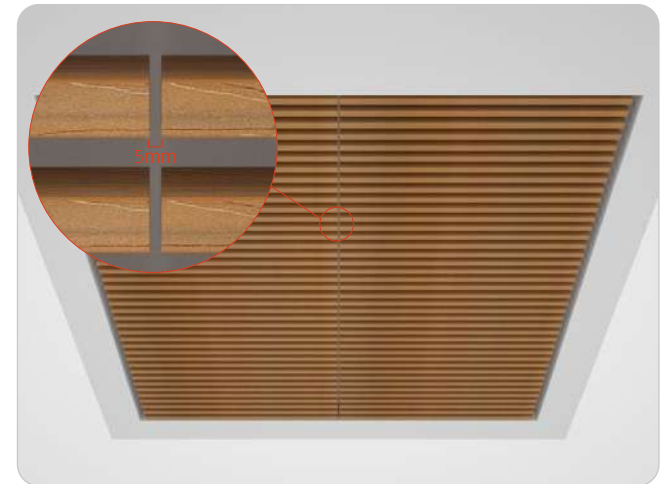
3. Place the metal plate in the middle, perpendicular to the timber tubes, and drill holes on the plate, timber tubes, and steel reinforcement, with M5 drill bits. More metal plates can be added near the ends if necessary to secure the assembly, the spacing between metal plates should be 650 mm.



4. Fix the metal plates to the timber tubes and steel reinforcement with rivets.



5. Fix the assembly to the wall with ribbed anchors. **Note: For ease of handling, metal plates should be cut into a suitable length.**



6. Keep a 5 mm gap between adjacent assemblies. Continue and finish the installation.

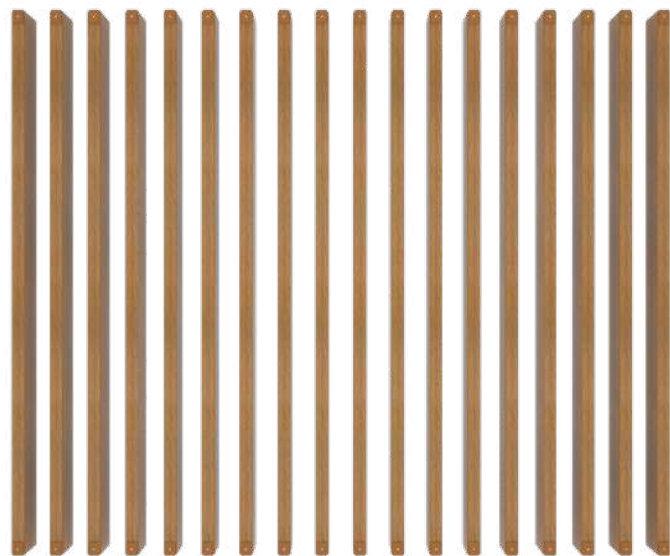
Baffle Ceiling

◆ PROJECT CASE



Partition

◆ MEASUREMENT



◆ COMPONENTS



Models for Choice



① Timber Tube
TH-14C(40*180mm)



① Timber Tube
CT-05/05B(50*150mm)



② Galvanized Steel Tube
GI-3*2(30x20xT1.5mm)



② Galvanized Steel Tube
GI-4*3(40x30xT1.5mm)



③ U-bracket
UB-01(40X180mm)

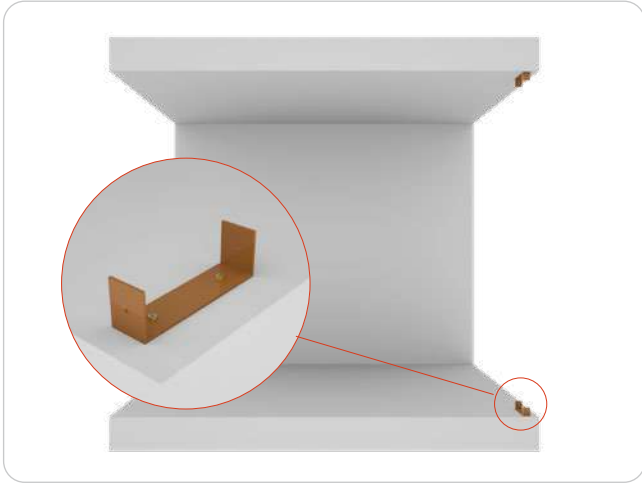


③ U-bracket
UB-03(50X150mm)

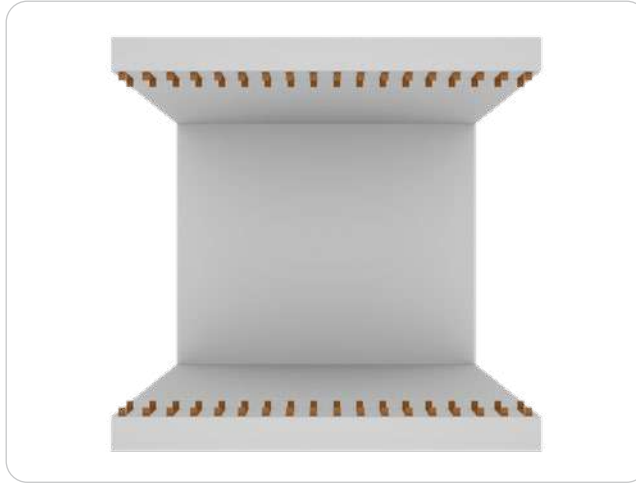


⑤ Expansion Screw
FE-L80(6x80mm)

Partition



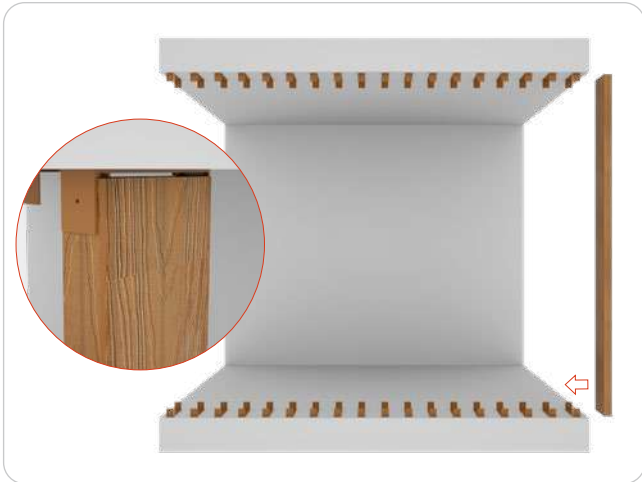
1. Fix upper and lower U-brackets to the top and ground with ribbed anchors. Make sure they're well-aligned.



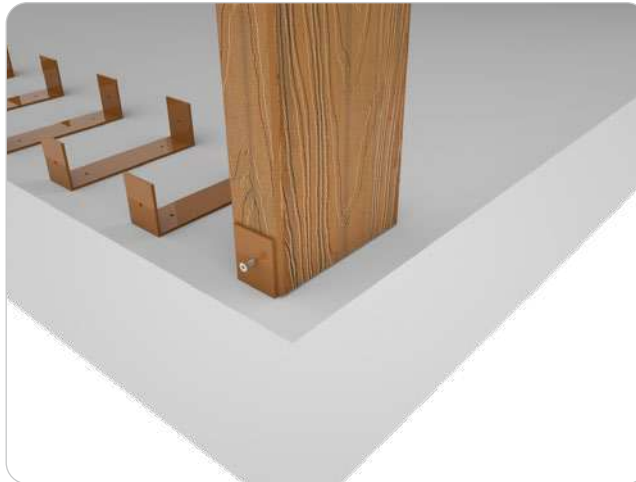
2. We recommend that the spacing between timber tubes should be $0.618 \times \text{the width of the timber tube}$. For example, the spacing for TH-14C should be $0.618 \times 180 \approx 110 \text{ mm}$.



3. Slide galvanized steel reinforcement into the timber tubes.



4. Place the timber tubes in position by sliding them into the U-brackets, and keep a gap of 5 mm between the timber tubes and the upper U-brackets at the top.



5. Fix the brackets to both the timber tubes and steel reinforcement with self-drilling screws.



6. Continue and complete the installation in the same manner.

Partition

◆ PROJECT CASE



◆ ADVANTAGES

- Elongated holes make for flexible fixing and prevent possible cracking.
- Highly adaptable with many installation methods to suit your needs.
- DIY-friendly and versatile. Fences, railings, louvers... you name it.

