

# COOWIN<sup>®</sup> Catalog of WPC Timber Tube

# FENGING | ABOUT COOWIN®



Founded in 2000, COOWIN® has been a well-recognized brand in global WPC market. With years of R&D focus on WPC production and design, COOWIN® occupies leading position among WPC manufacturers. COOWIN® manufacturing facility covers over 100,000 square feet, equipped with R&D lab, professional teams of technicians and designers, and certified by CE, ISO9001:2015, ISO14001:2015.

COOWIN® WPC is produced with 100% recycled and FSC approved wood flour and waste plastic by an extrusion process. COOWIN® WPC is a versatile material that combines the traditional appearance of timber with the durability and resilience of an engineered composite, attested by SGS and Intertek.



# FENCING INTRODUCTION

COOWIN® 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.



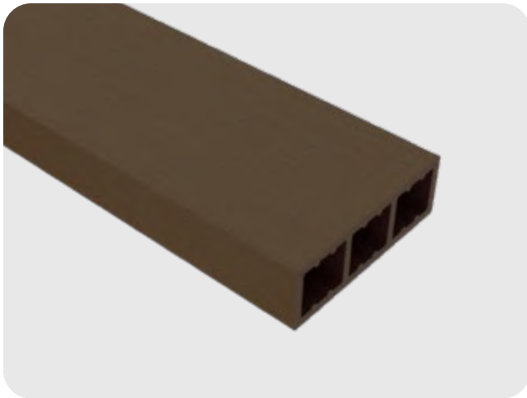
# FENCING MODELS



Item: CT-04B  
Size: 50\*100mm  
Surface: Sanding



Item: CT-04  
Size: 50\*100mm  
Surface: Capped



Item: CT-05B  
Size: 50\*150mm  
Surface: Sanding



Item: CT-05  
Size: 50\*150mm  
Surface: Capped

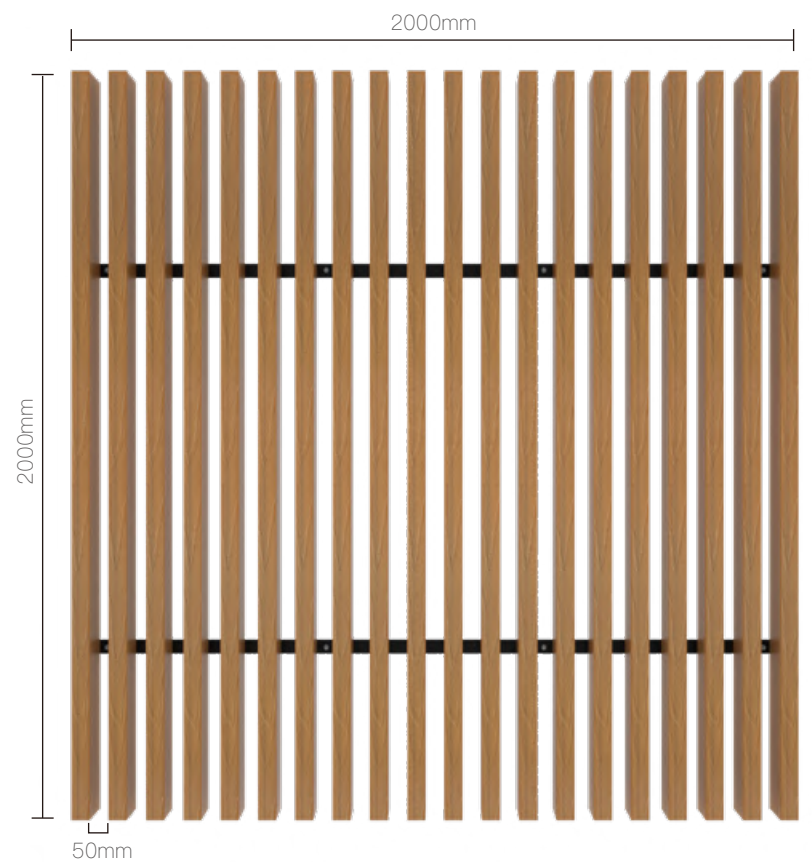


Item: TH-14C  
Size: 40\*180mm  
Surface: 3D Wood Grain

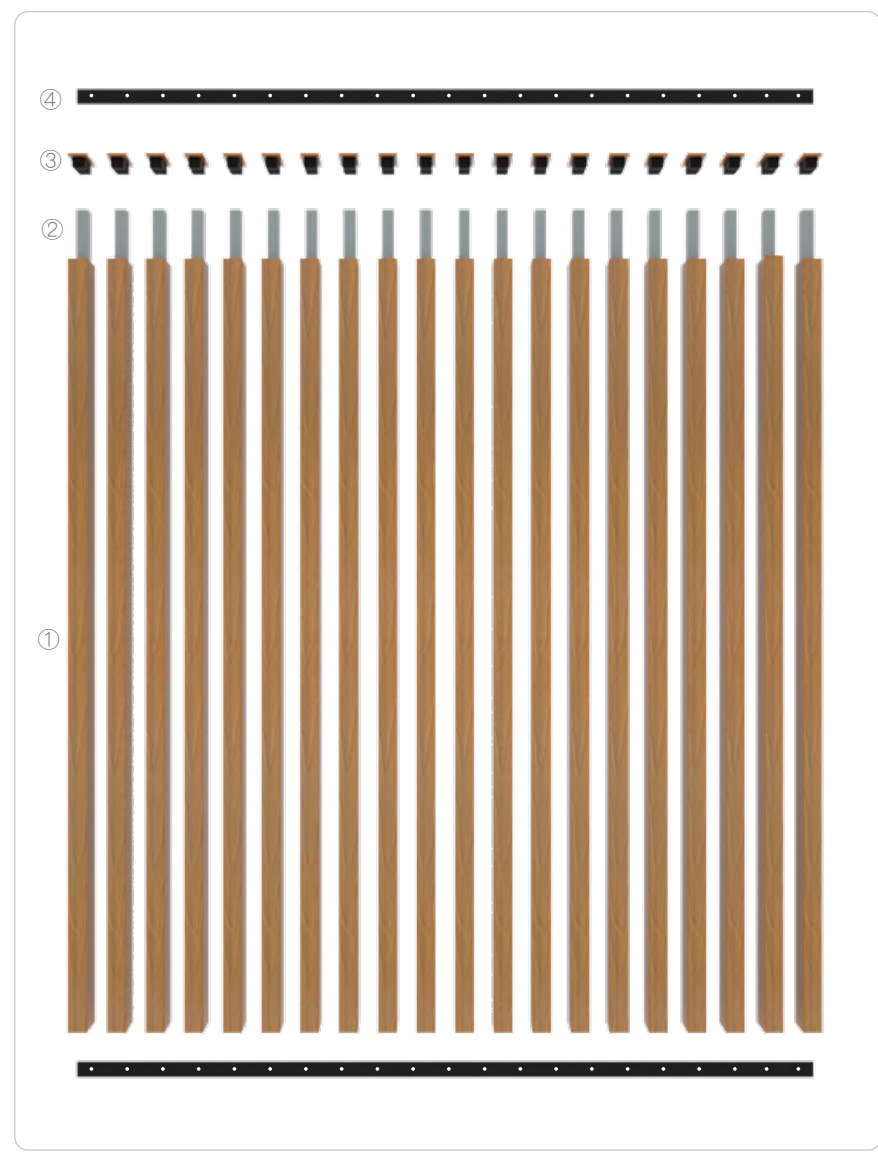


# TIMBER TUBE Architectural Louver (Installed Directly on the Wall)

## MEASUREMENT



## COMPONENTS

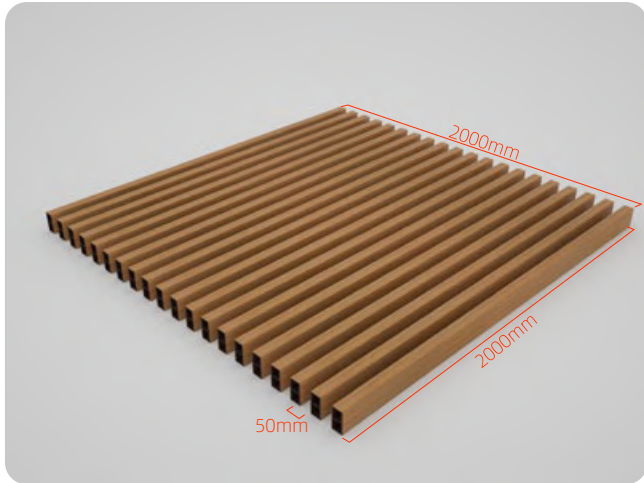


- Models for Choice
- ① Timber Tube CT-04/04B(50\*100mm)
  - ① Timber Tube CT-05/05B(50\*150mm)
  - ② Steel Reinforcement
  - ③ End Cap
  - ④ Galvanized Plate (3x2000mm)

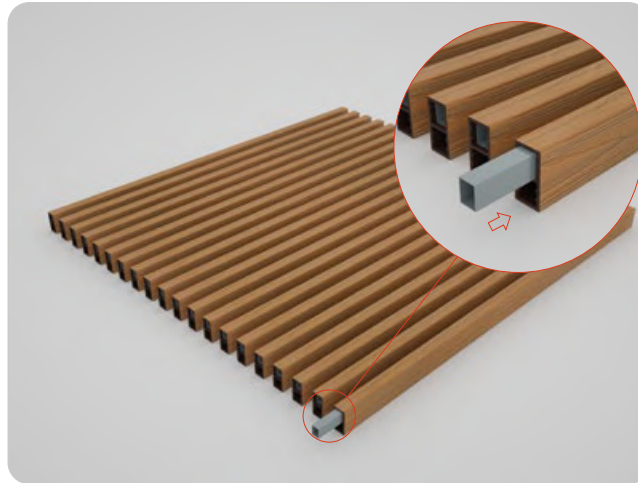


# TIMBER TUBE

## Architectural Louver (Installed Directly on the Wall)



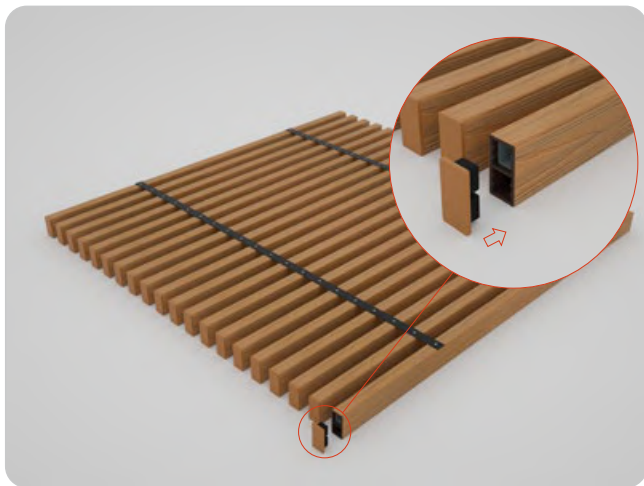
1. Arrange timber tubes 2000 mm in length, spaced 50 mm apart, to form a 2000\*2000 mm square.



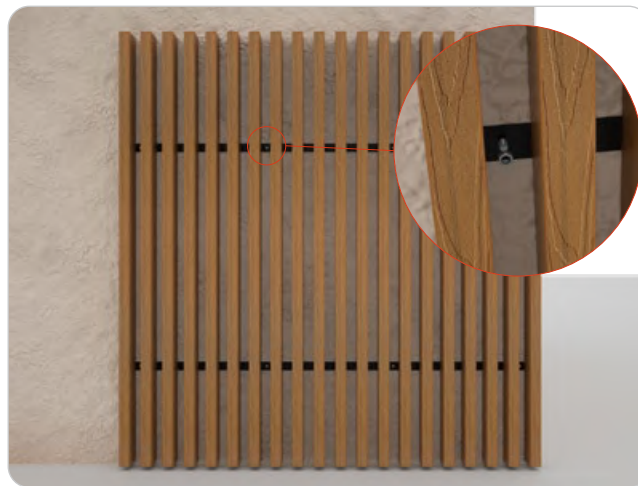
2. Slide galvanized steel reinforcement into the timber tubes.



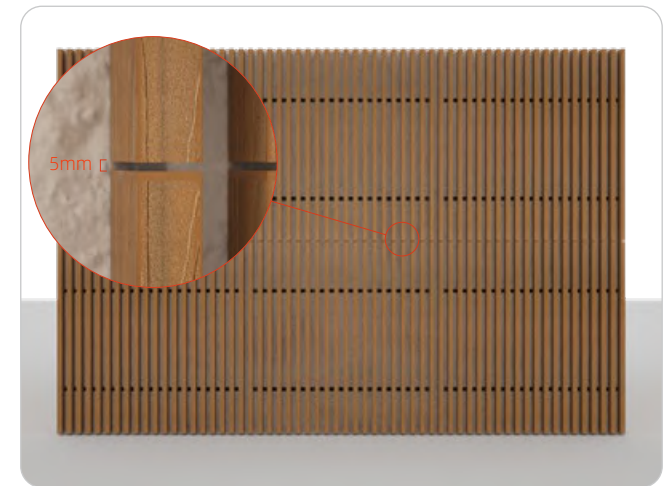
3. Secure the square by fixing galvanized plates to the timber tubes with self-drilling screws going all the way through the plate, timber tubes and steel reinforcement. Note: The spacing between galvanized plates should be 1000 mm; timber tubes should overhang the galvanized plates by 500 mm at both ends.



4. Put on end caps at the ends meant to face upwards.



5. Fix the square to the wall with ribbed anchors.

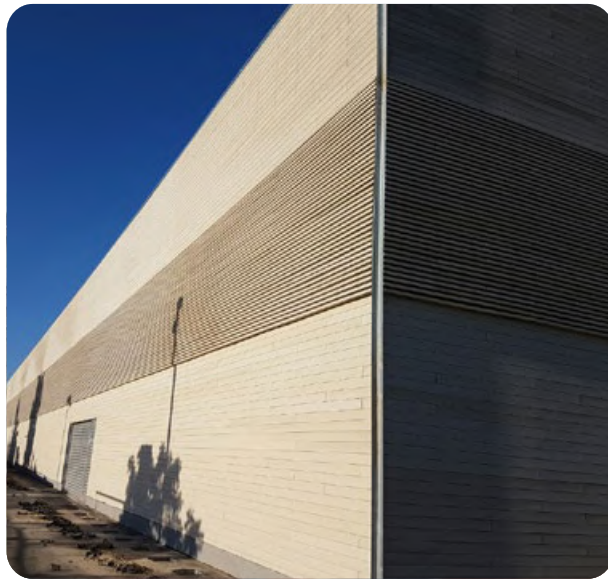


6. Continue installing the rest timber tube squares. Note: Keep an expansion gap of 5 mm between adjacent squares.

# TIMBER TUBE

## Architectural Louver (Installed Directly on the Wall)

### ◆ PROJECT CASE



### ◆ AVAILABLE COLORS



Oak



Smoke Gray



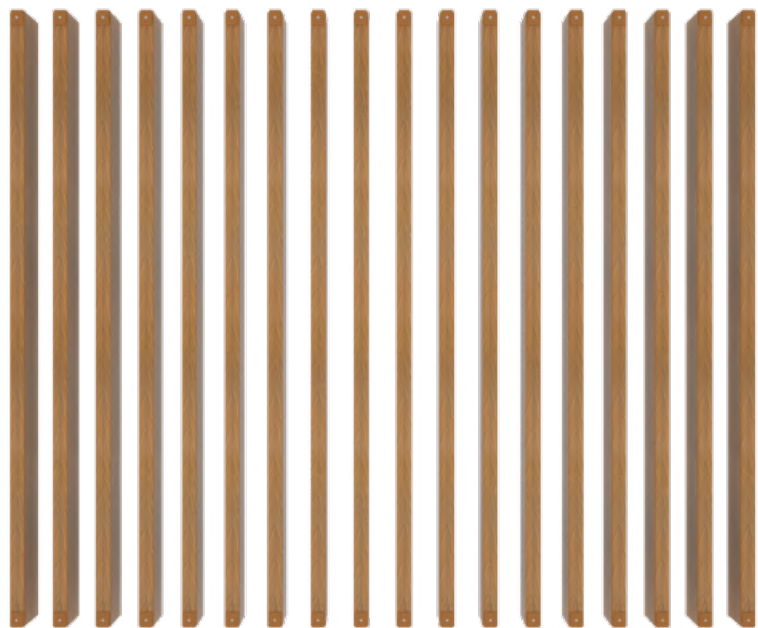
Black



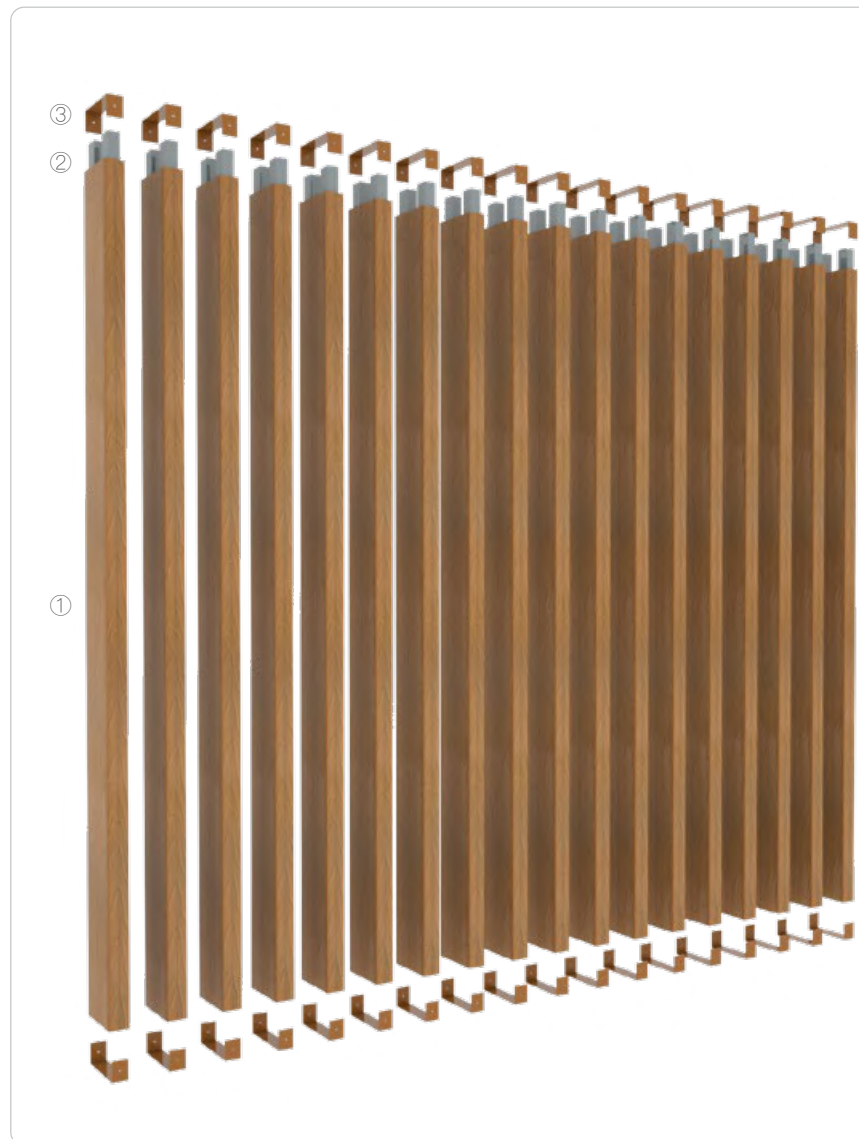
# TIMBER TUBE

## Partition (Installed with Brackets)

### ◆ MEASUREMENT



### ◆ COMPONENTS



#### Models for Choice



① Timber Tube  
TH-14C(40\*180mm)



① Timber Tube  
CT-05/05B(50\*150mm)



② Steel Reinforcement

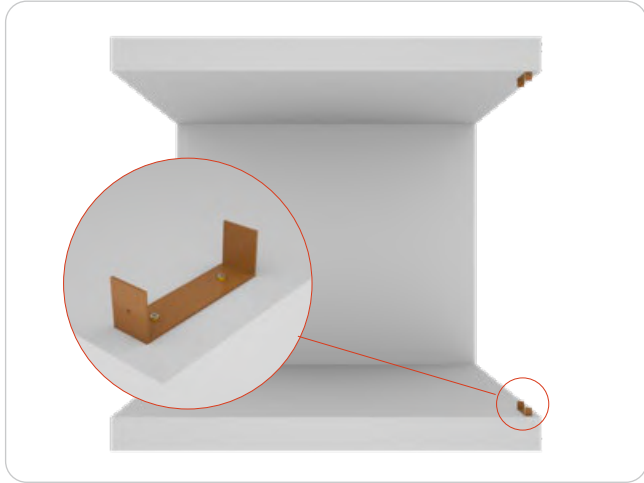


③ U-bracket

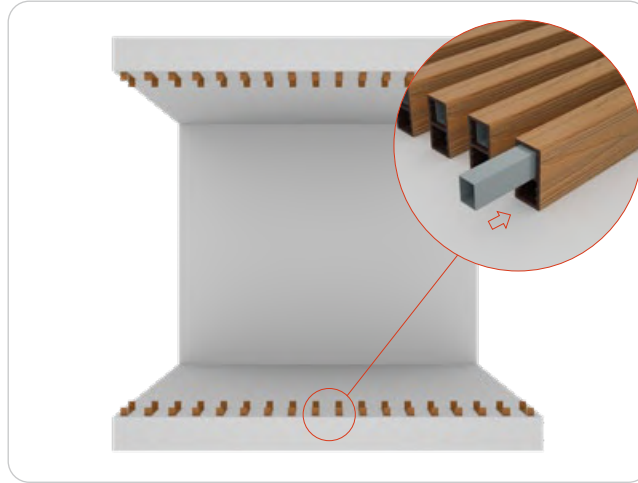


# TIMBER TUBE

## Partition (Installed with Brackets)



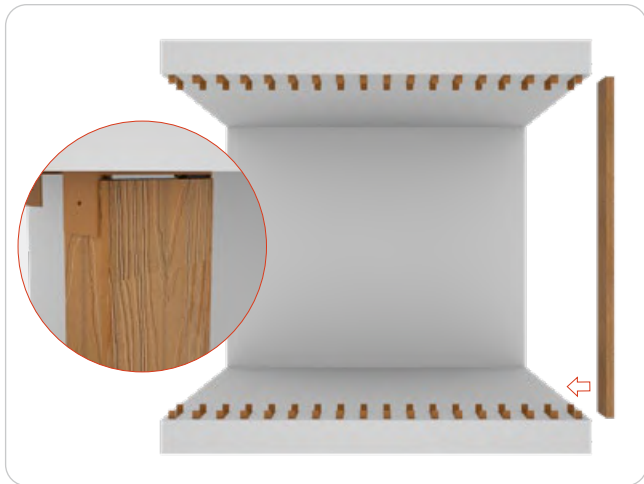
1. Fix upper and lower U-brackets to the top and ground with ribbed anchors. Make sure they're well-aligned.



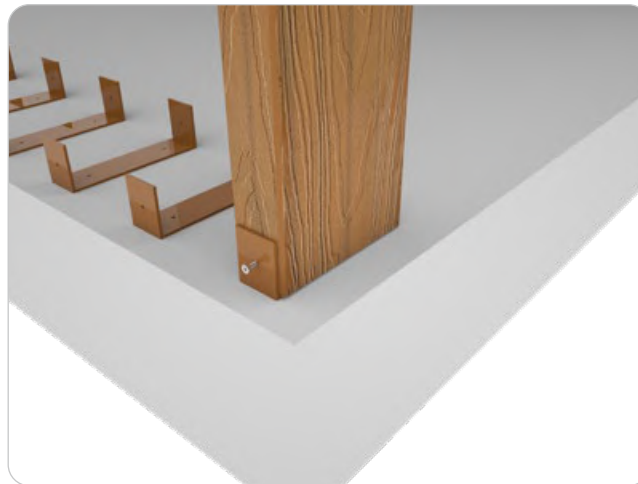
2. We recommend that the spacing between timber tubes should be  $0.618 \times$  the width of the timber tube. For example, the spacing for TH-14C should be  $0.618 \times 180 \approx 110$  mm.



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.

# TIMBER TUBE

## Partition (Installed with Brackets)

### ◆ PROJECT CASE



### ◆ AVAILABLE COLORS

#### FOR TH-14C



Red Pine



Coffee



Blue Gray

#### FOR CT-05



Oak



Smoke Gray

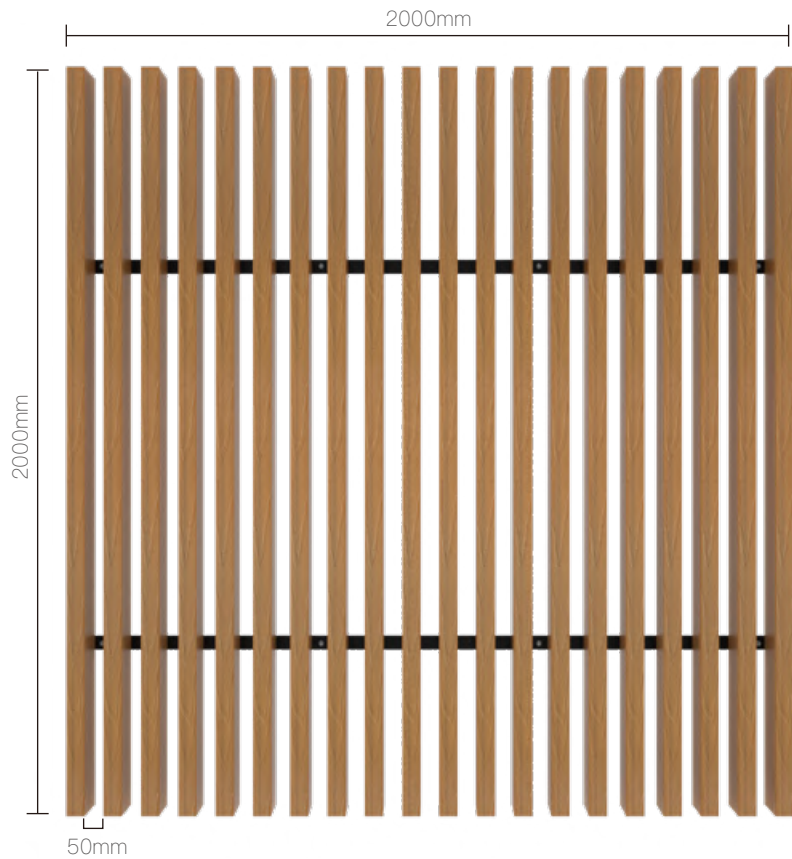


Black

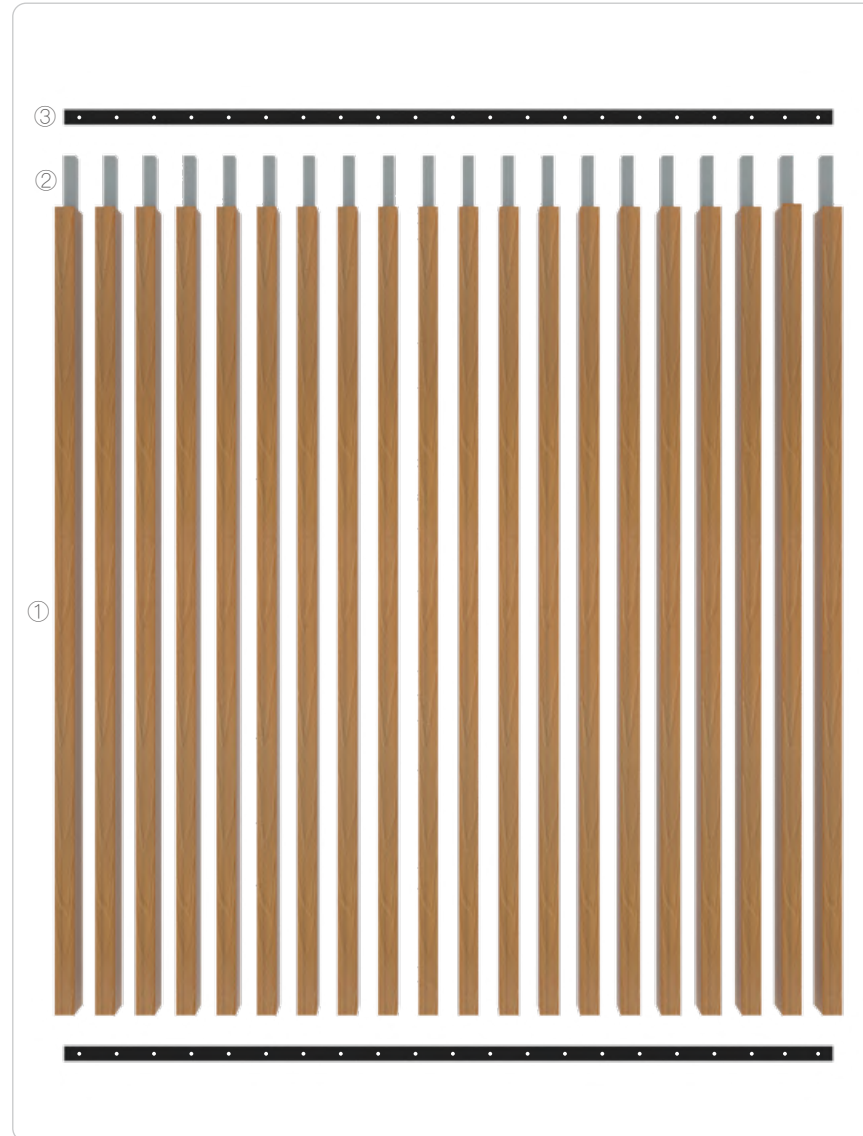
# TIMBER TUBE

## Baffle Ceiling

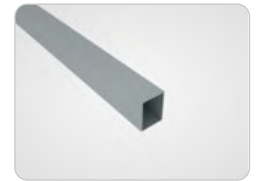
### MEASUREMENT



### COMPONENTS



CT-04/04B(50\*100mm)

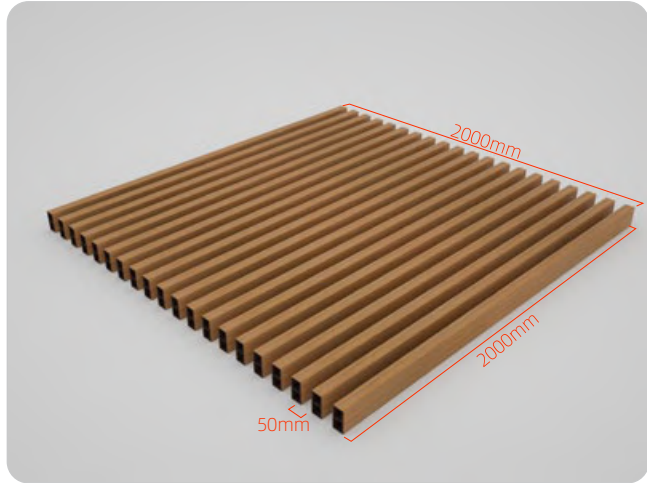


(3x2000mm)

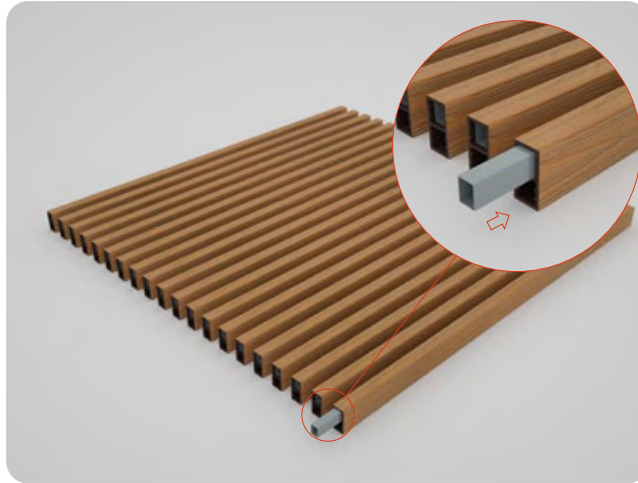


# TIMBER TUBE

## Baffle Ceiling



1. Arrange timber tubes 2000 mm in length, spaced 50 mm apart, to form a 2000\*2000 mm square.



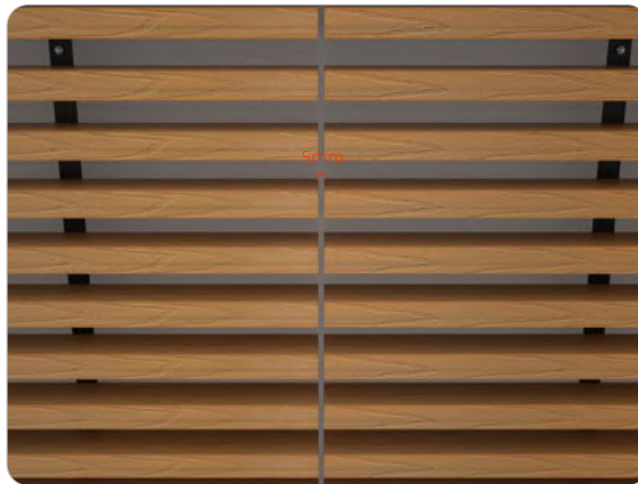
2. Slide galvanized steel reinforcement into the timber tubes.



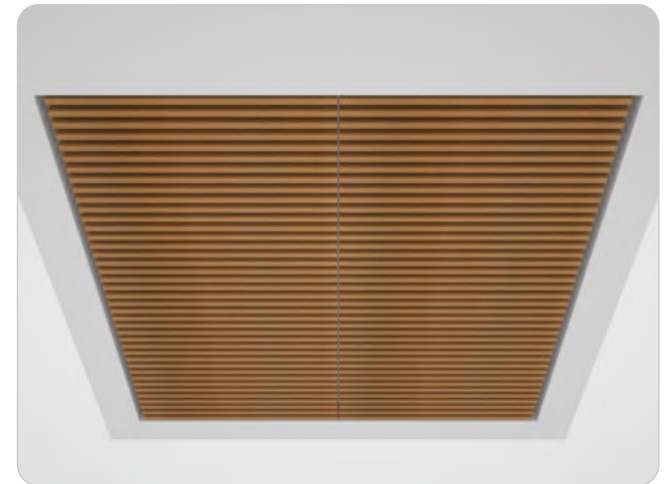
3. Secure the square by fixing galvanized plates to the timber tubes with self-drilling screws going all the way through the plate, timber tubes and steel reinforcement. Note: The spacing between galvanized plates should be 1000 mm; timber tubes should overhang the galvanized plates by 500 mm at both ends.



4. Fix the timber tube square to the ceiling with ribbed anchors.



5. Keep a gap of 5 mm between adjacent squares.



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

# TIMBER TUBE

## Baffle Ceiling

### ◆ PROJECT CASE



### ◆ AVAILABLE COLORS



Oak



Smoke Gray



Black



# COOWIN® WPC Timber Tube

Leader · Innovator · Manufacturer