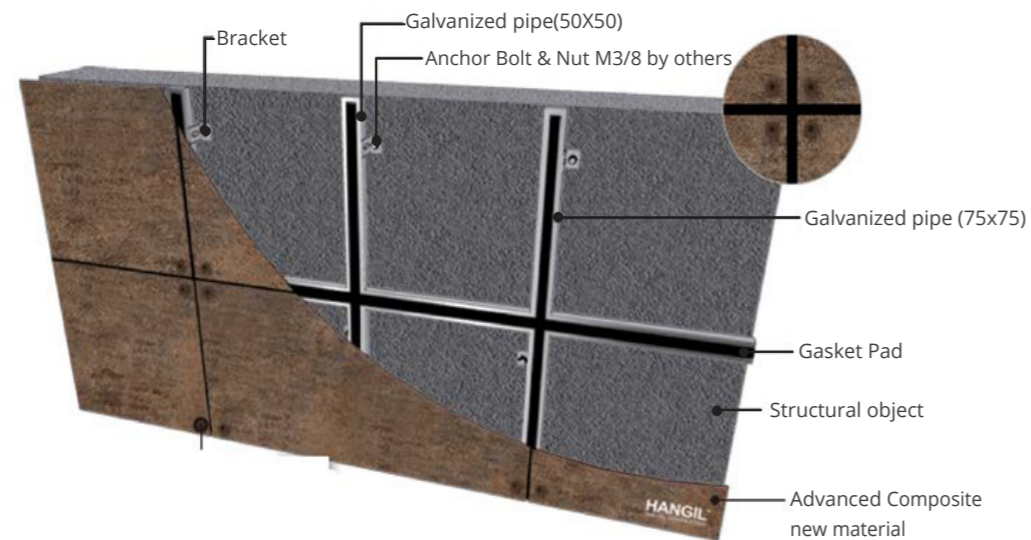


Advanced Composite New Material Panel Installation Manual for Exterior Panel

Tox-25 Bolt Fixing System



Installation

SUB-BOLT fastening method

Feature

As a representative installation method, it is stable and economical, and TOX-BOLT is used as a design element.

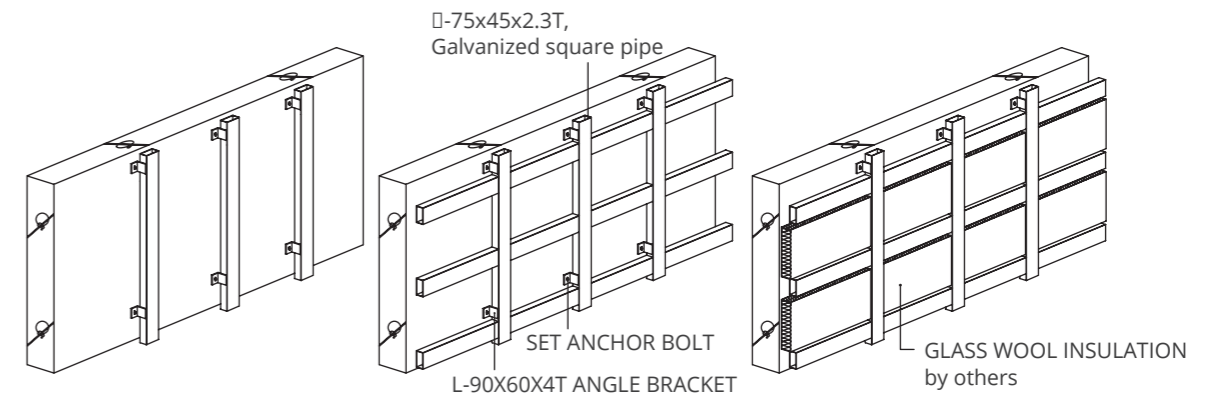
Fastening method

- Truss (square, aluminum profile) installation
- High weather resistance gasket pad attached (to prevent leakage)
- Finishing of new composite material with exclusive bolt (TOX 25 material SUS, same color painting). TOX BOLT SYSTEM. high quality

Precautions for panel installation

1. When installing a panel using a screw, the same force must be applied to each panel to fasten the screw and maintain the best flatness. The GASKET PAD is 1.6mm thick. Flatness is uneven if thick PAD is used
2. If the screw is tightened with a stronger force than necessary, the neck part may be cut, so be careful.
3. SSTL SCREW must be used for the screw (Stand 410/Color TOK)
4. Use the screw after painting it in the designated color on the head.
5. During summer/winter/spring/autumn construction, consider the characteristics of the panel (contraction and expansion).
6. Due to the characteristics of high-density wood panels, the panel is installed by securing an air layer so that air can circulate up and down on the back of the panel (there is no sealant in the panel installation area).

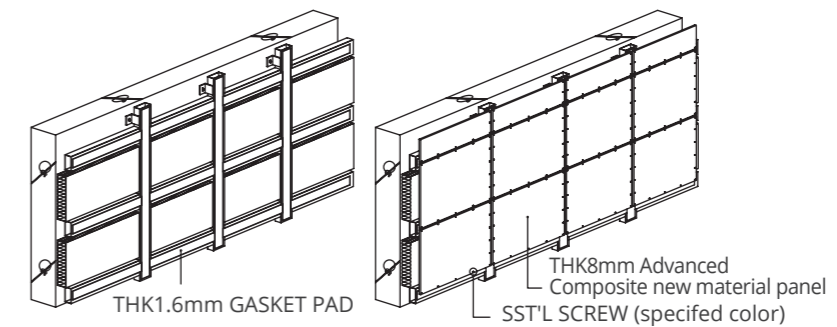
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1. Ink line work to install vertical materials.

2. SET ANCHOR and vertical, horizontal angle pipe 75X45X2.3T installation.

3. Install insulation after installing vertical and horizontal angle pipe 75X45X2.3T



4. Attach the GASKET PAD after installing the insulation

5. After attaching the GASKET PAD, install the panel with the designated SCREW according to the horizontal/vertical joint interval of each pipe

□ The specifications of the accessory hardware are subject to change depending on the site conditions.

| | Part name | Shape | Specification | Material | Notes |
|---|-------------------------------|-------|--------------------------|------------------|---|
| 1 | Structural steel pipe. | | 40x60x1.6T 50x50x1.6T | Galvanized steel | - Supports the middle of the panel by fixing it to the wall - The thickness should be 1.6T or more |
| 2 | Structural square steel pipe. | | 75x45x1.6T | Galvanized steel | - Supports the middle of the panel by fixing it to the wall - The thickness should be 1.6T or more |
| 3 | Support Bracket. | | 80x80x5T | Galvanized steel | - Fixed to the wall of square steel pipes for structural purposes |
| 4 | SET anchor bolt. | | 10x100mm | Normal steel | - Fixing on the wall of the support bracket |
| 5 | Combination piece. | | 5.5x28mm | | - Join the panel to the structural square steel pipe |
| 6 | Vibration suppression sheet. | | 2T | | - Reduces vibration between the panel and the structural square steel pipe |