

# Method Statement

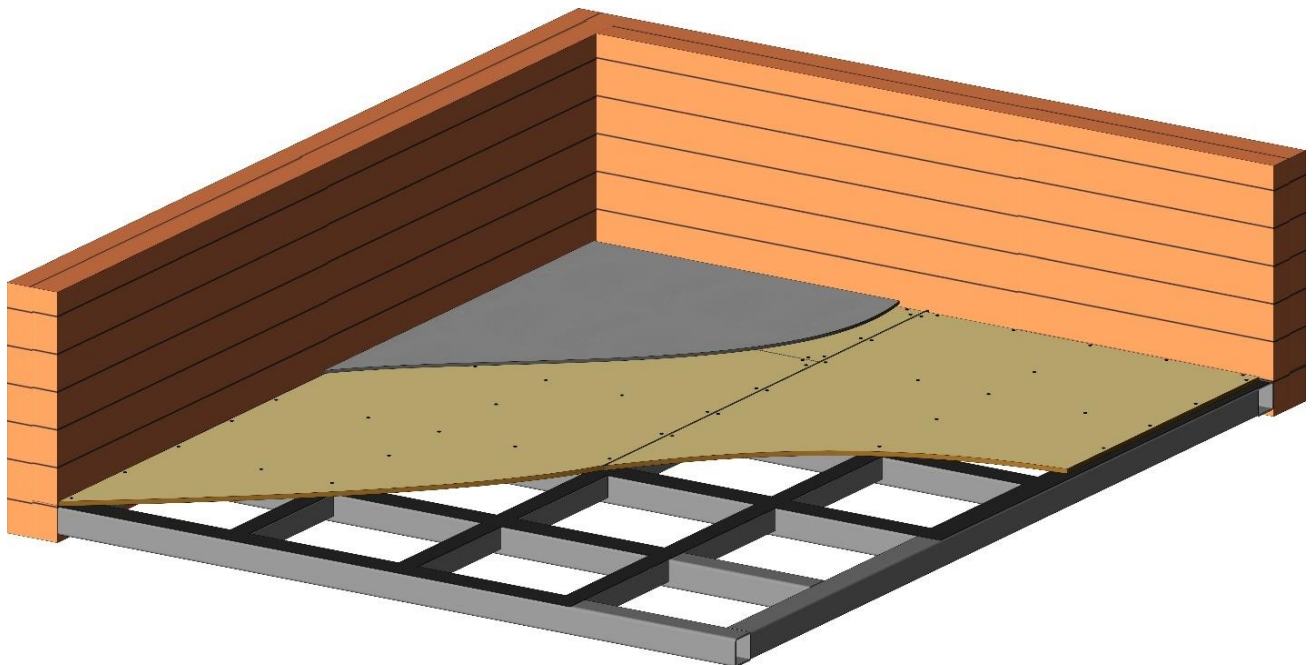
## **Purpose and Scope**

The Method statement describes the working procedure for Mezzanine Floor and other related activities. This will include for the process of installation of Floor Boards over MS Structural steel grid. The purpose of this Method Statement for Mezzanine Floor is to outline and describe in detail the procedure, material and tools required to undertake the work or activity in a safe and controlled manner. Purpose of the method statement is to follow best construction methods to provide best quality of work.

## **Description of Work**

The work involves the Installation of Floor Board for Mezzanine Floor application as per the specification.

## **Application Drawing:**



## **Material and Tools required**

### **Material List:**

1. Everest Floor Board
2. Self-Drilling Self Tapping Screws
3. Backer Rod
4. Sealant
5. Butyl Tape/ PU Foam Strip

### **Tools and Machinery List:**

1. Measuring tape
2. Drilling Machine
3. Circular Saw
4. Grinding Machine
5. Spirit level
6. Hammer & Screw driver Set
7. Right angle
8. Plier

## **Preparation**

1. Prior to work commencement, final approved (GFC – good for construction) drawing in coordination with Site Engineer need to be considered for Installation.
2. Delivered materials should be verified by the QA/QC Engineer prior to installation
3. Store materials in dry area out of direct sun light and as directed by the material manufacturer.
4. Safety protocol to be followed during Installation.

## **Material Storage and Handling Guidelines**

1. Board should always be carried on long edges (width wise) by two to three persons to avoid the damage to board and excessive strain on people handling them.
2. Board should be properly lifted while handing and not to be lifted by corners. Also, it should not be dragged over each other to avoid scratches on surfaces.
3. Board should be stacked flat, fully protected and covered during storage at sites.

## **Installation Procedure**

Step 1: Everest Floor Boards/ Everest Heavy Duty Floor Boards are to be installed, with its longitudinal side across the supporting beams. Such an arrangement renders better load bearing capacity to the substrate.

Step 2: Joints of the boards shall be staggered length wise, by half their length, ensuring all edges of the board to be supported by the framework structure. The boards are to be screwed with self-drilling self-tapping countersunk screws at 300 mm centre to centre by drilling an oversize pilot hole, prior to fixing of

the screws. An oversize pilot hole accommodates the movement in the board due to expansion and contraction. Minimum distance of Everest Board screws from edge shall be 15mm and that from the corner shall be 50mm.

Step 3: The support framework structure shall be rigidly fixed with no scope of twisting, post assembly (welded or bolted to each other) to avoid loosening of board screws, due to heavy traffic movement. The support framework structure should be aligned to avoid any twisting or curving of the framework.

Step 5: An uniform gap of 4-5 mm in between the adjacent board joints shall be maintained while fixing of the boards to the support frame structure, which includes maintaining a minimum gap of 10 mm at the periphery between the edges of the board and the surrounding wall. All gaps shall be filled with suitable flexible and expandable sealant (acrylic/ silicon/ epoxy based).

Step 5: Boards in complete dry condition shall be used as a substrate over steel (HRS & CRS)/ timber frame support based on site requirements. The substrate, prior to the assembly shall be primed with red oxide coating and boards shall be primed with 100% acrylic based cement primer when used in dry/ wet areas, respectively.

Step 6: Butyl tapes or polyurethane form strips shall be glue fixed in between the interface of the metal structure frame and board substrate. For double layer boarding as a substrate in case of higher loading capacity requirements, polyurethane foam sheet of 4mm thick minimum shall be placed in between the two boards.

Step 7: PVC or Vinyl flooring, Carpets, Floor tiles (ceramic / vitrified), any other suitable floor finish material shall be laid/ fixed over the substrate with suitable adhesive, for the final finish.