

Drywall Partitioning Systems



# GTI Wall Solutions Drywall Partitioning System

The **GTI** Drywall Partitioning System is a range of vertical metal studs combined with ceiling and floor tracks that form a frame onto which drywall or plasterboards can be placed. This stud and track system is available in several widths, and have been tested to meet fire, acoustic and structural standards. A particular feature of the studs is their knurled surface, which allows for easier and faster screwing of drywalls using drywall screws. This allows the contractor to complete drywalls with the minimum amount of effort.

# Drywall Partitioning System

### Stud

|   | Reference | Dimensions | Thickness | Length | Material   |
|---|-----------|------------|-----------|--------|------------|
| K |           | АВС        |           |        |            |
|   | GTS40     | 34 40 36   | 0.5-1.5   | 3000   | Galvanized |
|   | GTS50     | 34 50 36   | 0.5-1.5   | 3000   | Galvanized |
|   | GTS70     | 34 70 36   | 0.5-1.5   | 3000   | Galvanized |
|   | GTS73     | 34 73 36   | 0.5-1.5   | 3000   | Galvanized |
|   | GTS90     | 34 90 36   | 0.5-1.5   | 3000   | Galvanized |
|   | GTS98     | 34 98 36   | 0.5-1.5   | 3000   | Galvanized |
|   | GTS148    | 34 148 36  | 0.5-1.5   | 3000   | Galvanized |

Other sizes of Thickness, Length, Depth & Flange can be made up on request. Material Standard: Galvanized Steel-BS EN 10346:2009 (formerly BS EN 10142:1991) Coating Type: as per ASTM A653 / A653M.

A&C can be made up to 34-50m. Length can be made up to 13 Meters.



### Track



| Reference | Dimension | s Thickne | ss Leng | gth Material |  |
|-----------|-----------|-----------|---------|--------------|--|
|           | A B C     |           |         |              |  |
| GTT42     | 23 42 25  | 0.5-1.5   | 3000    | Galvanized   |  |
| GTT52     | 23 52 25  | 0.5-1.5   | 3000    | Galvanized   |  |
| GTT72     | 23 72 25  | 0.5-1.5   | 3000    | Galvanized   |  |
| GTT75     | 23 75 25  | 0.5-1.5   | 3000    | Galvanized   |  |
| GTT92     | 23 92 25  | 0.5-1.5   | 3000    | Galvanized   |  |
| GTT100    | 23 100 25 | 0.5-1.5   | 3000    | Galvanized   |  |
| GTT150    | 23 150 29 | 0.5-1.5   | 3000    | Galvanized   |  |

Other sizes of Thickness, Length, Depth & Flange can be made up on request. Material Standard: Galvanized Steel-BS EN 10346:2009 (formerly) BS EN 10142:1991) Coating Type: as per ASTM A653 / A653M. A&C can be made upto 25-50m.





## Drywall Angle Bead Plain



### Drywall Angle Bead Perforated

|  | Reference                                 | Dimensions | Length    | Material   |  |
|--|---|------------|-----------|------------|--|
|  |   | A B        |           |            |  |
|  | GTDABP30                                  | 30 30      | 2400/3000 | Galvanized |  |
|  | Thicknesses and custom lengths are        |            |           |            |  |
|  | available upon request.                   |            |           |            |  |
|  | Material Standard: Galvanized Steel-BS EN |            |           | 1          |  |
|  | 10346:2009 (formerly BS EN 10142:1991).   |            |           | В          |  |
|  | Coating Type: as per ASTM A653 / A653M    |            |           |            |  |

## Drywall Edge Bead Plain

| Reference   | Dimensions | Length | Material   |
|---|------------|--------|------------|
|   | ABC        |        |            |
| GTDEB13   | 24 13 9    | 3000   | Galvanized |
| Thicknesses and custom lengths are<br>available upon request.<br>Material Standard: Galvanized Steel-BS EN<br>10346:2009 (formerly BS EN 10142:1991).<br>Coating Type: as per ASTM A653 / A653M |            |        |            |

### Drywall Edge Bead Perforated



Coating Type: as per ASTM A653 / A653M

Length

3000



Material

Galvanized





## Installation

#### Step 1 – Install tracks

Install the tracks on the floors, ceilings and columns where the drywall will be adjoined.

#### Step 2 – Adjust height

Extend partition framing to its full height to structural supports or substrates above suspended ceilings, except in places where partitions should terminate at or just above suspended ceilings. Frame over doors and openings and frame around the ducts that will penetrate the partitions above ceiling to provide support.

For fire-resistance rated partitions, extend height so that the partition continuous from the floor to the underside of the structure above. Install bridging if required.

#### Step 3 – Brace frames

For partition frames that do not extend to the structure above, brace it with studs of the same size and thickness.

Provide bracing at:

- 152.4mm on center intervals along the length of the partitions.
- Not less than 152.4mm on center from partition ends and corners.
- Door and window openings

#### Step 4 - Install studs

Install steel studs in the size and spacing indicated:

- Single-Layer Construction: Maximum space studs 609.6mm on center (unless otherwise indicated).
- Multiple-Layer Construction: Maximum space studs 609.6mm on center (unless otherwise indicated).

#### Step 5 – Install Drywall

- 1. Install appropriate type of boards.
- 2. Make sure boards have the correct side facing outward.
- 3. Use the maximum practical board size to minimize joints.
- 4. Ensure board surfaces are aligned accurately.
- 5. Use self-drilling power screws to fix boards to studs and tracks.
- 6. Start fixing the boards from center working towards the edges and corners.
- 7. Provide angle beads at external corners and push boards fully into edge beads.
- 8. Use continuous lengths of jointing tape set on jointing compound to fill gaps between boards and cover joints.
- 9. To have a smooth surface, apply additional compound to concealed joints, the heads of fixings and imperfections in the board face.
- 10. Finish by using primer or sealer on the surface.



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