



# MATERIAL DATA SHEET



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# OTK LIGHT STEEL CHANNELS FOR PLASTER BOARD AND PVC CEILING:

## OTK LIGHT STEEL CEILING SYSTEMS

Our profiles are high standard, humidity resistant, heavy zinc coated and durable quality products which meet the standards of ASTM C99-645, ASTM A366 /366M, A653M95-, BS EN 10142:1991, BS2994:1976 & BS 2989:1982. ZM 750 We are also proud to declare that OTK is using steel with high zinc coating of G90/Z275, which is higher than that recommended by ASTM Zinc Coating.

Our profiles are heat resistant and qualify with the fire resistance rate E119. Using cold-formed steel, we manufacture our innovative OTK channels and light steel frames for ceilings and partitioning.

The OTK Light steel system is the combination of Wall Angle, Main Channel and of Furring Channel to form a grid for suspended ceiling to be covered with a variety of ceiling finishes ie; Gypsumboards, Fibre cement Boards and PVC boards.

Additionally the Perforated light steel Channels; Corner Beads, Edge trims, and Board Protectors play a major role in Design and perfect Plastered skimmed finish.

### OTK WALL ANGLE

Also known as Edge Angle, Corner

**Thickness**

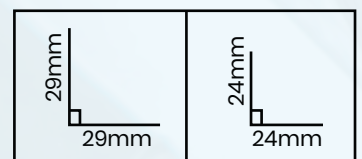
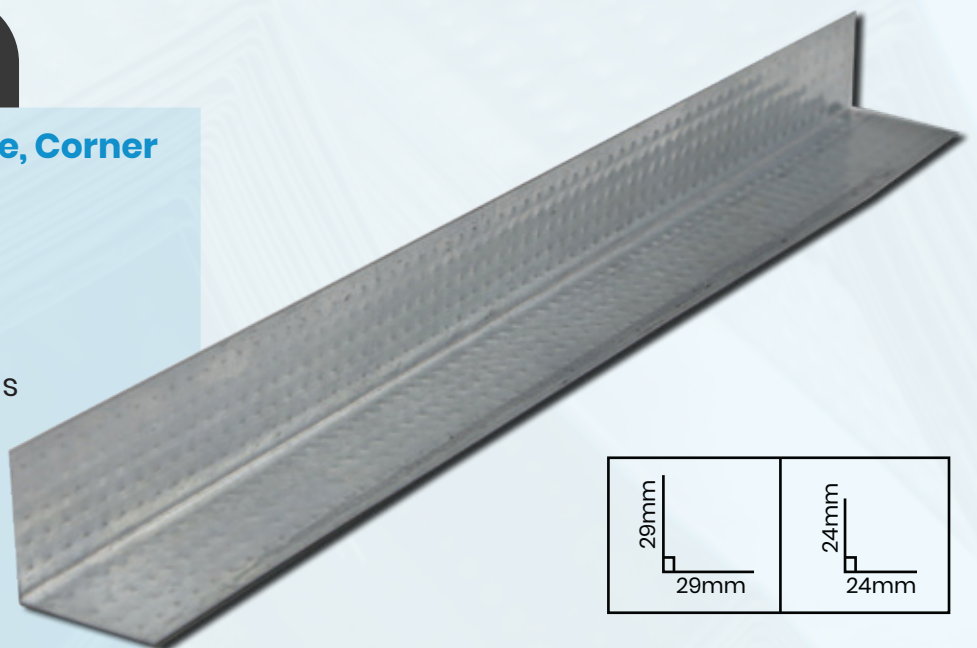
0.35mm upto 0.5mm

**Length:**

2700mm upto 6000mm  
and we can produce various  
cut to length sizes

**Available**

24 X 24 mm / 29 x 29 mm



## OTK Main Channel

Also known as U-Channel, C-Channel, Main Runner and Primary Channel

**Thickness**

0.35mm upto 0.6mm

**Length:**

2700mm upto 6000mm and we can produce various cut to length sizes

Standard Spacing between each Main Channel 120 cm/1200 mm



## OTK FURRING CHANNELS

Also known as Omega Channel, Hat Channel

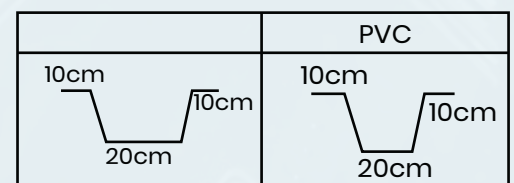
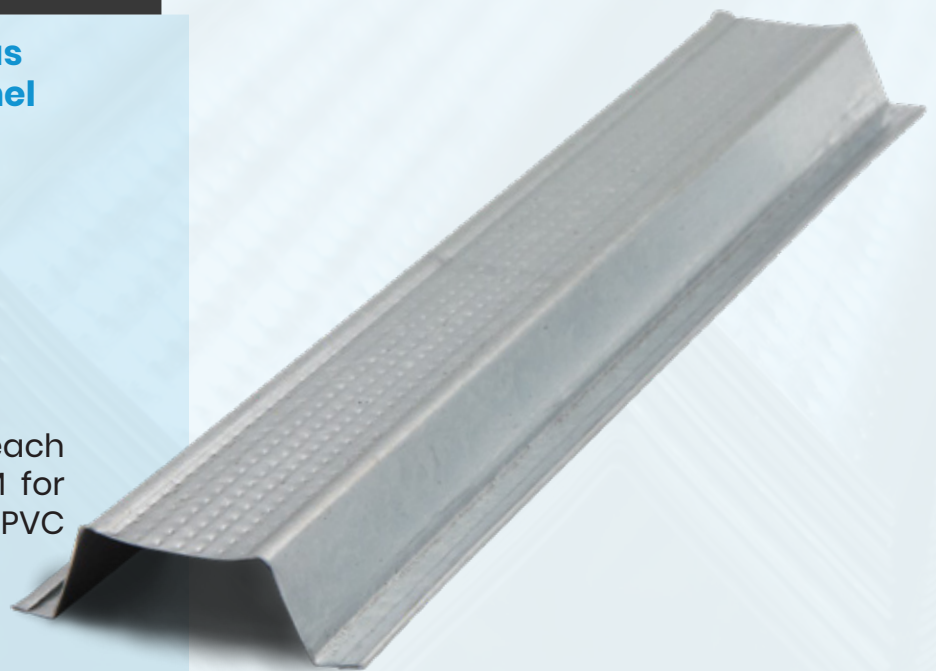
**Thickness:**

0.35 upto 0.6mm

**Length:**

2700 mm upto 6000mm and we can produce various cut to length sizes

Standard Spacing between each Furring Channel 60 cm/ 0.6 M for Gypsum a, 40 cm/ 0.4 for PVC ceiling



## OTK EDGE TRIM

### Thickness

0.35mm, 0.4mm

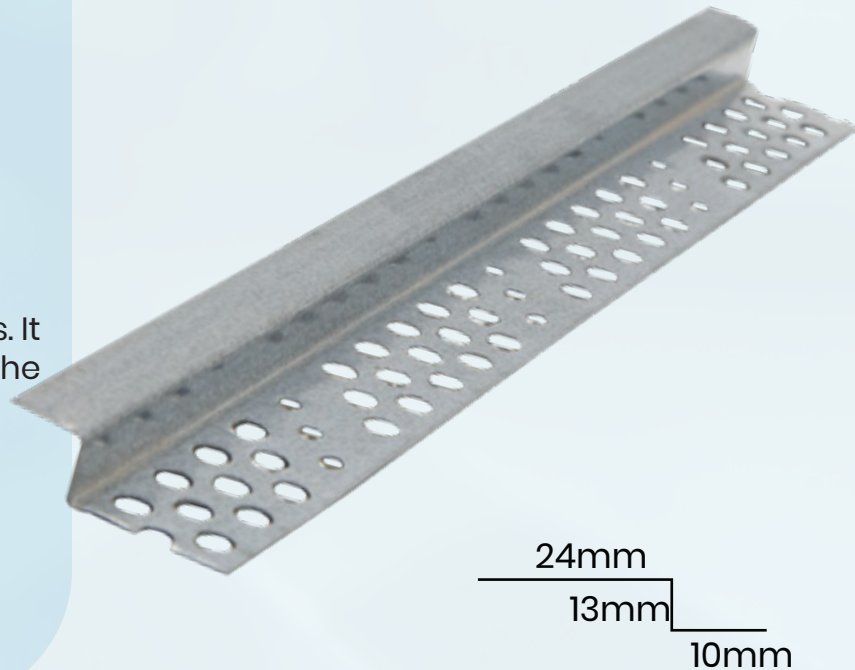
### Length:

2700mm upto 6000mm and we can produce various cut to length sizes

### Available

24mm X 14mm X 10mm

It is made of Pre-painted aluminiu coils. It is fixed to the wall and it dictates the height of the ceiling



## CORNER BEADS

### Also Called Perforated Angle, Corner Perforated...

### Thickness

0.35 mm upto 0.4 mm

### Length:

2700mm upto 6000mm and we can produce various cut to length sizes

It's a vertical moulding used to protect the external angle of two intersecting surfaces. It has multiple precisely cut perforated holes, and a perfect round groove that allows the plaster to grip into and creates a strong bond with the surface that is being plastered.



## BOARD PROTECTOR

Also known as Board guard and Gypsum guard...

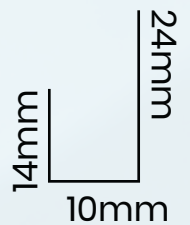
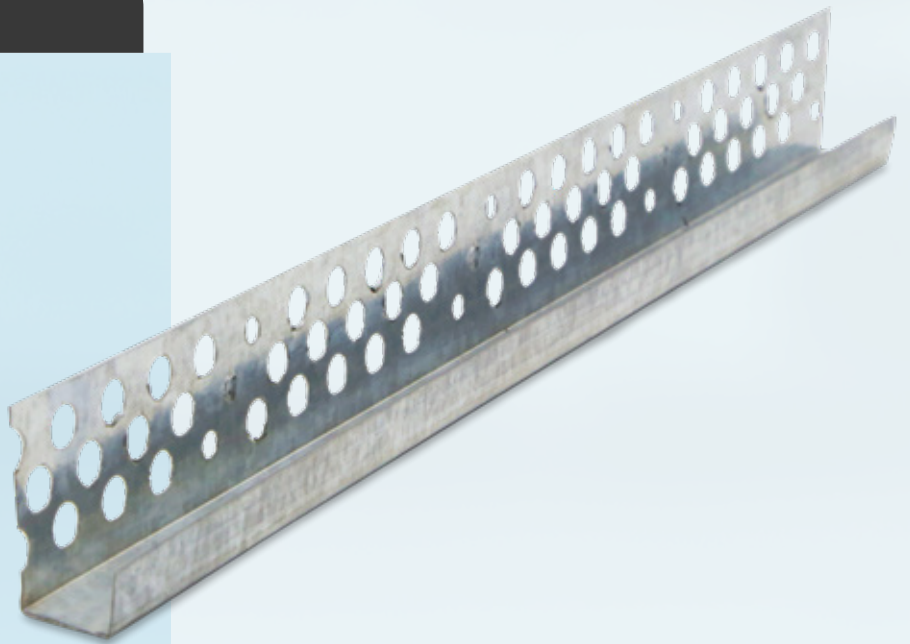
### Thickness

0.35mm, 0.4mm

### Length:

2700mm upto 6000mm  
and we can produce various  
cut to length sizes

The Wall angle is the first component to go into a ceiling sub-structure. It is fixed to the wall and it makes a perfect Levelled Platform for the finished ceiling. It also used to suspend from the Roof, Trusses/ Purlins, or concrete soffits



## OTK STUDS

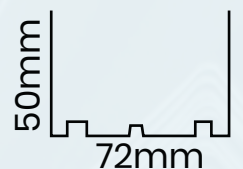
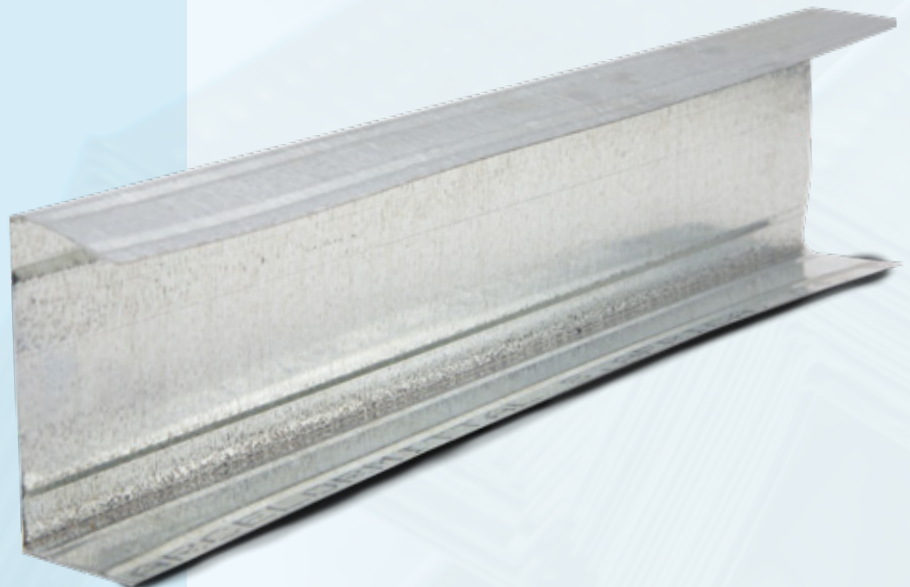
### Thickness

0.35mm upto 0.6mm

### Length:

2700mm upto 6000mm

Installed vertically and horizontally in conjunction with the Tracks. It's main purpose is to receive Gypsum boards and to create a straight Surface and a strong sub-structure.



## OTK TRACKS

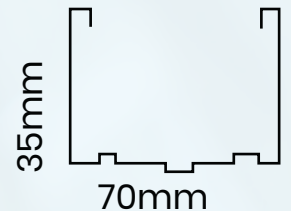
### Thickness

0.5mm

### Length:

2700mm upto 3000mm

A track is the main component that goes into the Dry wall Partition. It is fixed to the floor, wall and ceilings. Its main Purpose is to create a straight-levelled frame for the partition.



# SUSPENDED CEILING CHANNELS

A typical typical suspended ceiling consists of a gridwork of metal channels in the shape of an upside-down "T", suspended on wires from the overhead structure. These channels snap together in a regularly spaced pattern of cells. Each cell is then filled with lightweight ceiling tiles or "panels" which simply drop into the grid. The primary grid types are "Standard 1" (15/16-inch face), Slimline (9/16-inch grid), and concealed grid.

the cell size in the suspension grids is typically either 2 by 2 feet (610 mm × 610 mm) or 2 by 4 feet (610 mm × 1,220 mm), and the ceiling tiles, light fixtures, and fluorescent light tubes are the same size. In Europe, the cell size in the suspension grids is 600×600 mm, while the ceiling tiles and fixtures are slightly (5 mm) smaller at 595×595 mm or 595×1195 mm, and the T5 fluorescent and LED tubes are shorter by 37 mm to allow for easier and safer insertion and removal without breakage.

## OTK MAIN TEE

**Length:**  
3600mm

**Available**  
30mm x 25mm

It is made of GI steel with aluminium capping used as the main support of the system. It joins the Cross tee through the interlock system



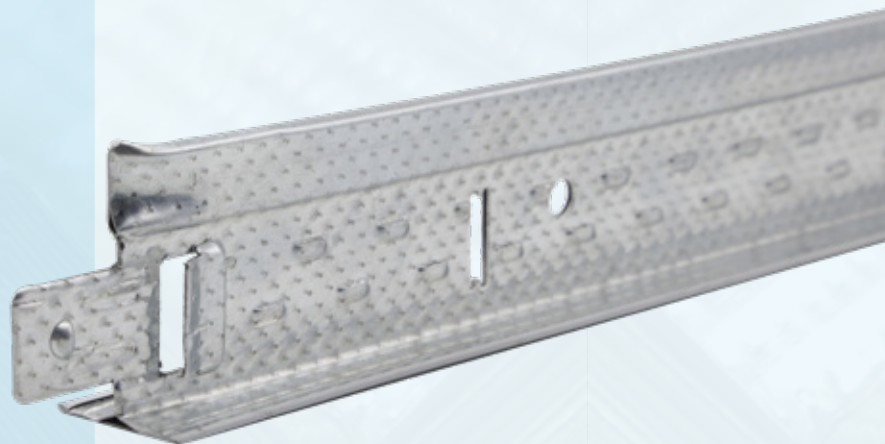
25mm  
25mm

## OTK CROSS TEE

**Thickness**  
0.5mm

**Length:**  
1200mm upto 600mm

It is made of GI steel with aluminium capping that interlocks with the Main tees to form diagrid Bays



25mm  
25mm

# OTK PP WALL ANGLE

(Pre-Painted)

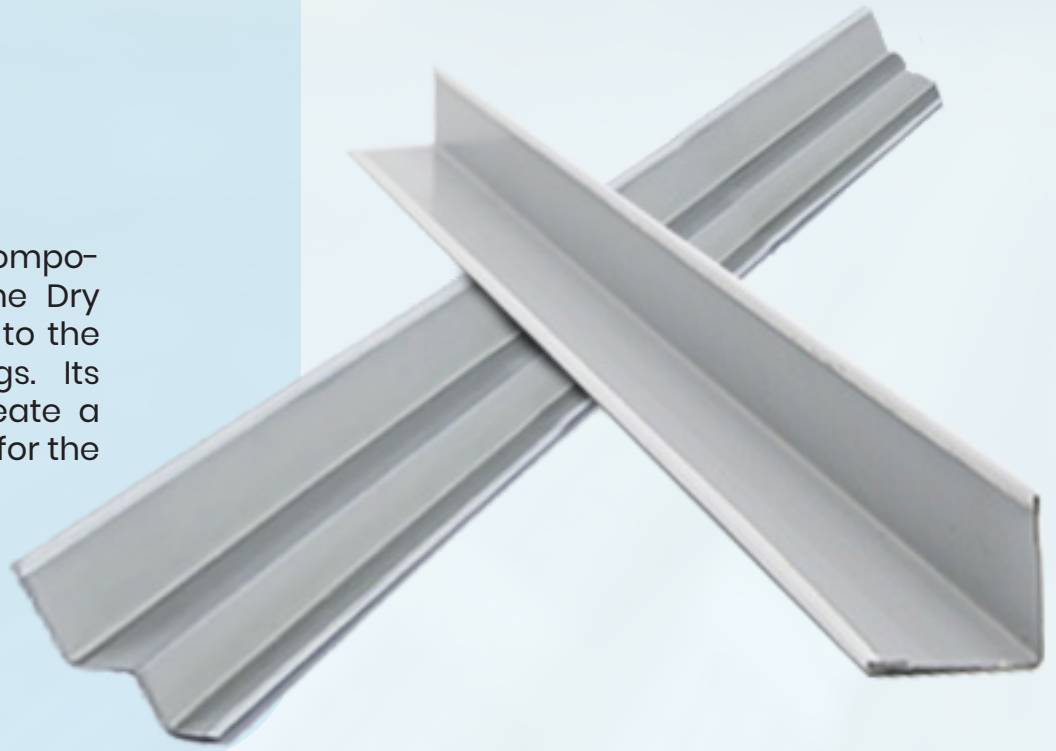
## Thickness


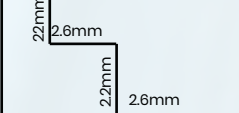
0.5mm

## Length:

2700mm upto 3000mm

A track is the main component that goes into the Dry wall Partition. It is fixed to the floor, wall and ceilings. Its main Purpose is to create a straight-levelled frame for the partition.



L-Shaped	W-Shaped
	





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