

# walk on ceiling

## Construction

### PLANK CEILING SYSTEM

Tracks:  
steel sections, 1.2 mm thick.

Plank span:  
Up to 3000mm

Plank width:  
Up to 1200mm, with makeup  
planks to suit project layout

Plank thickness:  
57mm

Steel frame:  
Galvanized steel aperture and  
channels

Ceiling fascia:  
Standard fascia trims or according  
to project specification

Internal filler:  
Egg crate board.

Ceiling aperture:  
1.2mm zintech channel

Joint detail:  
Silicone sealant.

Plank strength:  
Classification – Heavy Duty

Plank loadings:  
Safe working limit of 250kg,  
(0.61kN/m<sup>2</sup>) refer to test report  
189792

## Finish

Planks: 0.75mm thick skin with a  
durable pre-coat vinyl finish

## Colour

Range of plain colors, steel  
finishes, timber finishes, fabric  
finishes & stone finishes are  
available for selection

## Geometrical features

### DIMENSIONS

Length: Span up to 3000 mm.  
Width: Up to 1200mm with makeup  
planks to suit project layout

### CEILING APERTURES

These can be factory prepared, lined  
and reinforced with 1.2mm zintech  
channels for the site fitting of light  
units, fan filters, sprinklers etc

### PLANK CEILING SYSTEM

Aperture safety covers:  
Purpose designed ‘safety boxes’ can be  
supplied to sit on top of any aperture  
preventing any potential risk of falling  
through

Ceiling Aperture:  
These can be factory prepared, lined &  
reinforced with 1.2mm zintec channels  
for the site fitting of light units, fan  
filter & sprinklers etc.

Plank Support:  
Planks are designed to sit on and span  
from partition wall to partition wall.  
Should spans be greater than 4000mm  
support systems can be supplied with  
the option of concealed angle brackets  
at the panel joints or a ceiling support  
‘T’ section with planks resting on the  
‘T’ flange. In both cases M10 threaded  
rod carries the support vertically  
locating onto a designating point.

Plank Abutment:  
Interlocking panels with as friction fit  
dimple biscuit channel manufactured  
from 1.2mm zintec forming a single  
line connection between panel to  
panel

## Use

This ceiling system helps to move  
freely on top of the ceilings for service  
and maintenance works

## Acoustics

### WEIGHTED AIRBORNE SOUND REDUCTION INDEX

Standard & higher acoustics are  
available depending upon the type of  
Norwood partition walls and doors,  
enhancement can be made  
to increase the sound reduction  
index, guidance can be given on  
request.

## Fire

Class 0 spread of flame:  
BS 476-7 to class 0

In accordance with BS Test standards.

## Load

Plank Loadings:  
Safe working limit of 250kg,  
(0.61kN/m<sup>2</sup>) refer to test report  
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In accordance with BS 6399

### TRUSS I VALUE

Compressive resistance  $P_c$ , Truss =  $Q \times$   
 $A_{top} \times p_c = 119.3kN$

Tensile resistance  $P_T$ , truss =  $Q \times (A_{top}$   
 $+ A_{angle}) \times p_y = 298.2 kN$

Bending Check – PASS

Shear Check - PASS