

# Panel System 585 GX

## Lay-in Open Cell Ceiling



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Decorative, unique, acoustical open cell ceiling with conventional T-grid system which is economical for installation from "**Suckow & Fischer**".



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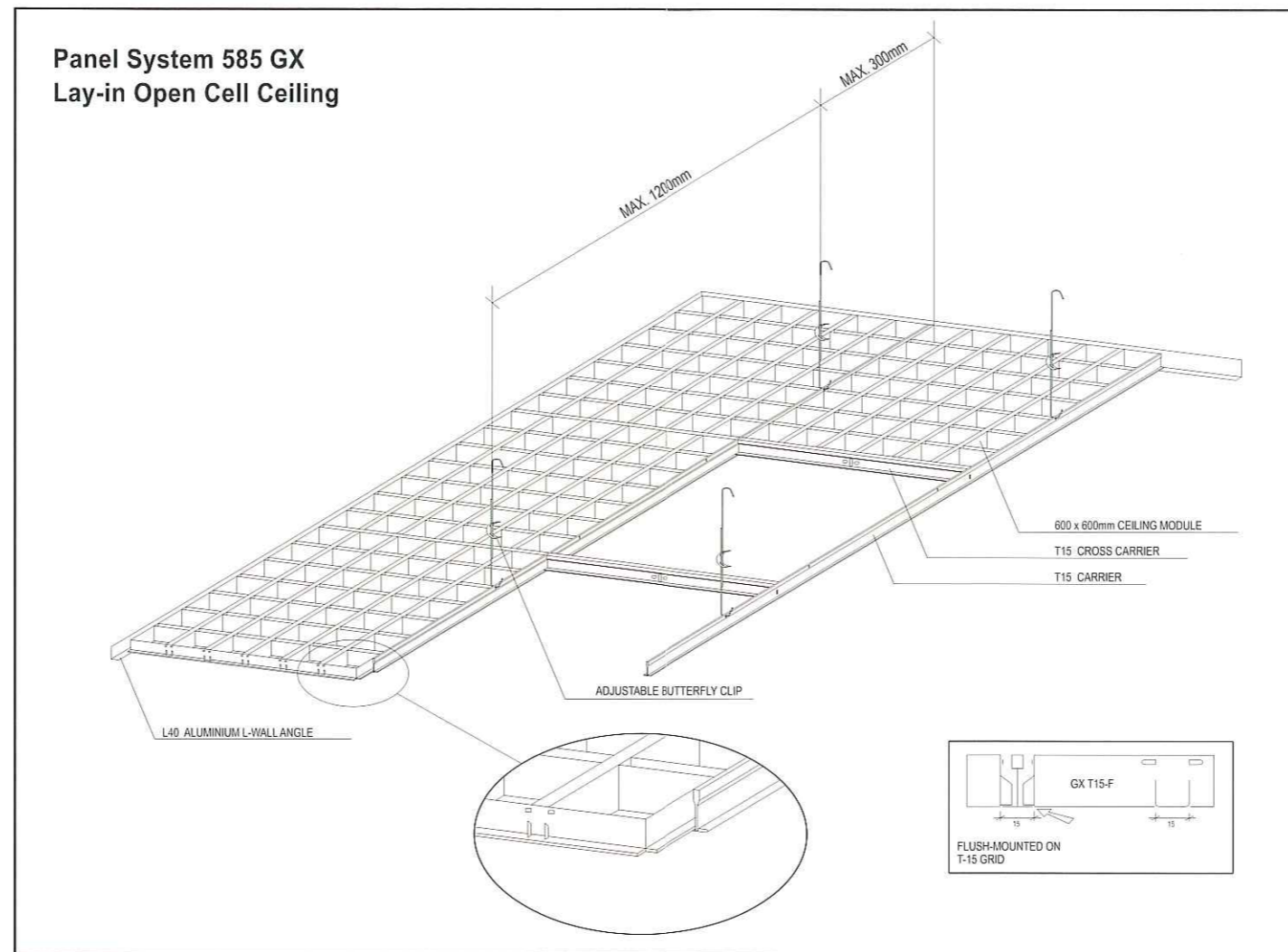
Panel System 585 GX lay-in open cell ceiling is simple in its suspended system by using T15 carriers in module of 600x600mm c/c. Unlike most other open cell ceiling systems that are mainly for decorative purpose but not able to have acoustic effect. Panel System 585 GX can offer very good sound absorption by laying acoustic inlay at the top of the cell elements with its high open ceiling area. The standard cell ceiling element is 585 x 585mm c/c with optional various cell modules and heights for selection.

The cell ceiling element comprises of upper and lower strips in 15mm width, which are interlocking to each other to form the cell modules with the choices in: 75x75mm, 100x100mm, 150x150mm and 200x200mm c/c. There are also two standard cell heights available: 38mm and 48mm. With 38mm cell height, there is an option of increasing the four sides of the cell element to 55mm high to provide room to place acoustic inlay on top of the cell modules. The acoustic inlay is securely enclosed by the trimming on four sides of the cell element.

The system is easily integrated with the building services such as lighting fixtures, air-conditioning outlets, signage, broadcasting and sprinkler systems. Factory fabricated colour matching aluminium adaptors with cutout openings for downlights, loudspeakers and sprinkler heads to form a flush front surface with the cell ceiling are optional upon request. The system is most suitable as interior decorative ceiling at exhibition centers, conference rooms and public area of administrative & office buildings.

#### Carrier & Suspended System

The carrier is 15mm wide exposed T-grid made of galvanized mild steel to form the module of 600 x 600mm c/c. The pre-assembled cell elements are laid on the exposed T-grid with flush surface. T-grids are simply suspended to structural soffits by G.I. rods with butterfly keys or by threaded rods. The maximum distance between suspension points along the main T-grids is 1200mm. The cross T-grids in 1200mm are interlocked onto the main T-grid with a transverse carrier



couplers T-grid in 600mm connecting to the center of 1200mm length cross T-grids to form 600 x 600mm grid module. The cell element can be removed easily from the T-grid by hand at any position as it is just laying on the T-section.

#### Materials

The open cell ceiling panel is made of aluminium alloy coil-coated in advanced polymer system. The aluminium coil thickness is 0.5mm.

The 15mm T-grid carriers and carrier couplers are made of galvanized steel with aluminium capping on the surface.

#### Finishes

Polyester stove-enamelled coil-coated finish on visible side is minimum 20 micron thick; non-visible side is 5 micron thick prime coated. Optional polyester powder coated finishes with minimum 60 micron thick in RAL colours are available upon request.

#### Fabrication Process

Continuous cold rolling, notching and break-pressing techniques are applied to form ceiling panel to the required shape.

### Advantages of Panel System 585 GX Lay-in Open Cell Ceiling

- Open cell ceiling with high acoustic effect.
- Acoustic inlay is integrated in each cell element.
- Choices of various cell modules and panel heights.
- Fully integrated with all building services.
- Simple T-grid suspended system.
- Low maintenance; dismantle individual cell element possible.



#### Fire Test

Compliance to Fire Test : BS 476:Part 6 & Part 7  
Fire propagation & Spread of flame

#### Acoustics

Excellent sound absorption coefficients can be achieved by laying a sound insulation inlay on back of the suspended ceiling.

#### Installation Guidelines

- |                                    |                                 |
|------------------------------------|---------------------------------|
| Minimum overhead clearances        | : 100mm for 38mm Cell Height    |
| Minimum overhead clearances        | : 130mm for 55mm Cell Height    |
| Distance between Main Carriers     | : 1200mm Maximum                |
| Distance between Coupler           | : 600mm Maximum                 |
| Distance between suspension points | : 1 0 0 0 / 1 2 0 0 m m Maximum |

# Accessories

