# PROLINE STRIPS

**PROLINE 100S - 150S - 200S - 300S**

# CARTEL
## MANUFACTURING CO.

# SYSTEM DESCRIPTION

Proline Strips System is a closed design consisting of box shaped panels, which can be easily clipped on carriers. Fully demountable modular panels with 20mm wide closed joints that enhance the linear appearance. Available for both interior and exterior applications, provide durability with cut-to-size lengths and acoustical options. Custom capabilities are also available.
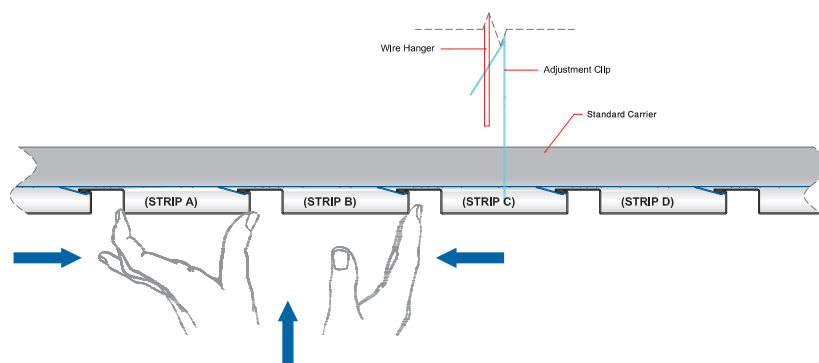


# FEATURES

- Offers linear layout
- Suited for internal and external areas
- Panels support lights and services
- Easy access to void
- Cut-to-size lengths

# DEMOUNTING METHOD

The Proline Strip can be removed from anywhere in the ceiling. To remove Strip B, it is essential that the (Strip A) adjacent to (Strip B) is held in place. Respectively Strip C and Strip D can be removed if needed; you can dismantle as many panels as you need one after the other to access the service area.  Once the service work is completed, restore the panels to its original position.



Wire Hanger

Adjustment Clip

Standard Carrier

(STRIP A)     (STRIP B)     (STRIP C)     (STRIP D)

## VISUAL CHARACTERISTICS

**DIMENSION:** Strips can be produced in a variety of widths (100, 150, 200, 300mm) and custom modules are also available upon request. Lengths vary up to 6000mm max.

**MATERIAL:** Panels are roll-formed from Aluminum 0.5mm up to 0.8mm, or Galvanized Steel 0.5mm up to 0.7mm.

**SURFACE FINISH:** Pre-painted stove enameled polyester finish, or Factory applied powder-coated finish (post-coated).

**TEXTURE:** Flat smooth surface free from blemishes.

**PANNEL DEPTH:**
-15mm

**EDGE DETAIL:**
- Square Edge

**PERFORATION OPTIONS:** Plain or Perforated (standard 1.8mm diameter holes). Any other pattern can be produced upon request.

**COLOR:** Proline standard white color. Other colors and finishes are available upon request.

## TECHNICAL CHARACTERISTICS

**LIGHT REFLECTANCE:**
LR = 70 – 90% (ASTM E 1477)

**ACOUSTIC PROPERTY:**
NRC = 0.7 – 0.9 (ASTM C423)
[perforated tile with acoustic inlay]

**FIRE CLASSIFICATION:**
Class 1 Surface Spread of Flame
(BS 476: Part 6 and 7)

**CORROSION RESISTANCE:**
Salt spray tested for 1000 hours corrosion protection
(ASTM B 117-73)

**HUMIDITY RESISTANCE:**
HR = 95%

**ANTI- MICROBIAL:** Hygienic coating can be provided upon request, having an excellent anti-bacterial properties
(JIS Z 2801:2000)

**CLEANABILITY:** Washable by applying any household mild detergent like soap or window cleaner on the ceiling surface then wiping it with a clean soft cloth.
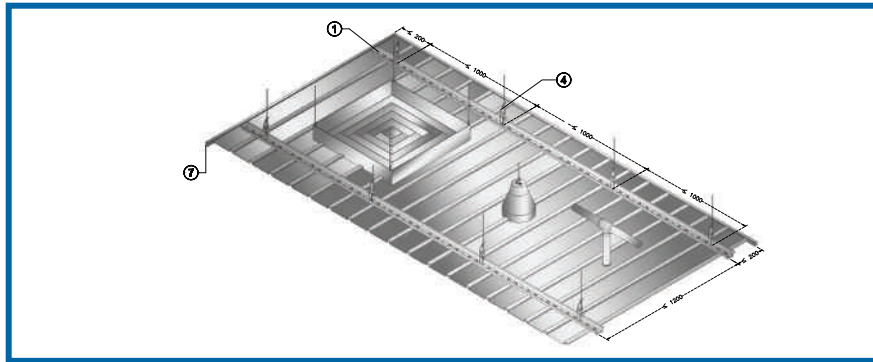
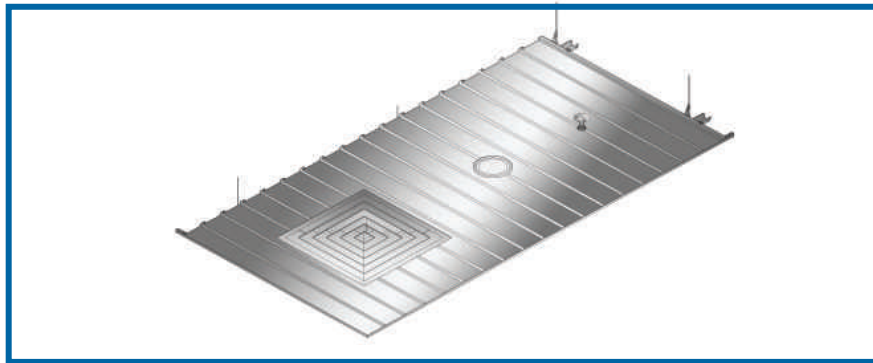**GREEN BUILDING MATERIAL:** Fully recyclable and environmentally friendly.

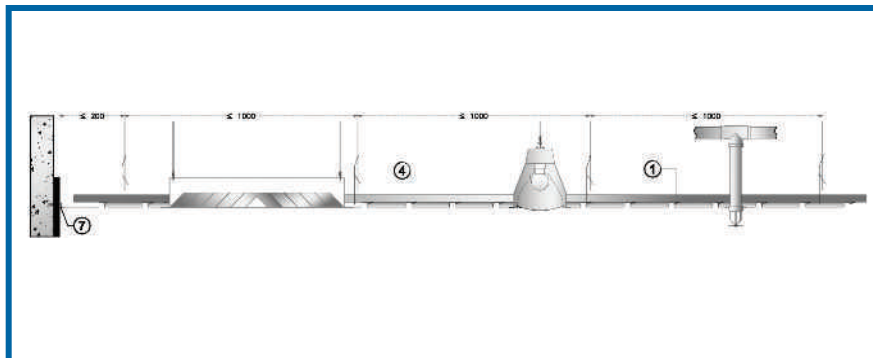# PROLINE STRIPS INTEGRATED WITH SERVICES FITTINGS

Integration of services like lighting and air conditioning can be easily integrated into the system. The services fittings shall be independently supported and leveled to the ceiling.



## 1- Top View



## 2- Elevation



## 3- Section

# SUSPENSION SYSTEM

The Proline Strip system consists of panels laid into slotted pre-punched carriers. These carriers supported to wire hangers at 1200mm maximum centers using adjustment clips to allow accurate ceiling adjustment. All Proline Strips suspension components are chemically cleaned hot-dip galvanized steel complying with ASTM A653.

**1- Demountable Indoor Panels with Standard Carrier**

**2- External Panels with Universal Carrier**

**3- Hairline Non-Grooved Panels with Flex Carrier**

| | | |
|---|---|---|
| 1 | | **STANDARD CARRIER:** GI Steel used to support the system for interior application. |
| 2 | | **UNIVERSAL CARRIER:** GI Steel used to support the system for exterior application. |
| 3 | | **FLEX CARRIER:** GI Steel used to support the system for hairline non grooved panels. |
| 4 | | **ADJUSTMENT CLIP:** GI Steel used to adjust the ceiling level suspended by wire hangers @1000mm maximum centers, starting @200mm maximum from walls. |
| 5 | | **EDGE TRIM:** C shaped fixed to the wall @ 400mm maximum centers, starting @150mm from the adjacent wall. Color and finish to match panels. |

# INSTALLATION

1. Using a laser, or equivalent, determine ceiling level and secure perimeter edge trim to the wall at 400mm maximum centers.
2. Cut lengths of wire hangers to suit suspension depth, ensuring sufficient length for fixing.
3. Secure hangers at 1000mm maximum centers to the structural soffit using fixings approved by the architect and determined by load and safety factor considerations. The first hangers are to be no more than 200mm from the wall.
4. Install carriers at 1200mm centers using adjustment clips to wire hangers. The first carriers shouldn't exceed 200mm from the wall.
5. Panels can now be offered into place within the carrier.