



## econogrid

### exposed grid for suspended ceilings

The advantage of suspended ceilings is in their ability to create an aesthetic interior finish while concealing and allowing access to all the services that make an interior space function practically including lighting and air-conditioning and if required optimising acoustics as well.

econogrid is designed to meet the most stringent requirements for modern day's complex buildings and is suitable for any suspended ceiling application including offices, retail outlets, hospitals, schools, hotels and restaurants.

#### Features and Benefits

- High quality hot-dip galvanised steel with pre-painted capping ensuring effectiveness against corrosion and high light reflectance properties
- Positive lock coupling mechanism with an audible click
- econogrid can be disassembled and reused
- Stepped end cross tees that prevent tee rotation
- Mid-span deflection not exceeding 1/360 of the span length
- Main Tee includes a fire safety feature (see additional information below)
- Main Tees are punched at 100 centres to facilitate versatility for all tile sizes

#### econogrid 24mm x 38mm (including fire safety feature)

Description	Size (m)	Qty / Box	Mass / Box (kg)	Coverage (m <sup>2</sup> / Box)	Boxes / Pallet	Qty / Pallet	Mass / Pallet (tons)
Main Tee	3.6	20	24.11	82	105	2100	2.50
Cross Tee	1.2	60	21.18	43	50	3000	1.10
Cross Tee	0.6	60	10.65	43	90	5400	1.00
Wall Angle 24 x 19 x 0.5 mm	3.6	40	27.16	144 lm / Box	92	3680	2.80
Shadowline Wall Angle 24 x 20 x 20 x 13 mm	3.6	30	35.24	108 lm / Box	67	2010	2.50



Main Tee



Cross Tee



Wall Angle



Shadowline Trim

#### Recommendations for Installation

Being part of the decorative finish, the installation of the ceiling needs to take place after services are installed to avoid interference and damage to the grid, especially the white chromodek face. It is advisable to limit the amount of time the grid is stored on site, and ensure that the area is clean and dry.

#### Fire Safety

econogrid Main Tees include a fire punch out as an additional safety feature to facilitate a more controlled collapse of the ceiling in the event of a fire. The punch-out allows expansion of the Main Tee during a fire which prevents econogrid from twisting, bending or bowing unpredictably and enables the econogrid system to tighten and remain intact limiting any collapsing of the ceiling tiles and the creation of gaps in the perimeter thereby assisting in the containment of the fire.

#### Bill of Quantity Specification

Supply and install Pelican Systems econogrid consisting of econogrid Wall Angle (standard / shadowline) fixed to the perimeter wall using fixings at 400mm centres. Space econogrid Main Tees at 1200mm centres. Suspend Main Tees using 2.5mm thick pre-stretched Galvanised Hanger Wire or 19mm Hanger Strap at 1200mm centres. Galvanised Hanger Wire shall be put through the Main Tees hole and wound three times around itself. Two Steel Pop Rivets or one 13mm Wafer Tek Screw shall be used to fix the Hanger Strap to the Main Tees bulb.

Install econogrid Cross Tees (1200mm long) at 600mm centres to create a 1200 x 600mm ceiling grid.

Install econogrid Cross Tees (600mm long) into the 1200mm long cross tees to create a 600 x 600mm ceiling grid. Main tee should be fixed to the wall using angle cleats.

All installations to be done in accordance with SABISA guidelines. Specifications are available on Autospec and our website.

Pelican Systems has an ISO 9001 Quality Management System in place and has had continuous certification since 2005.

A full list of stockists is available on the Contacts Page of our website.