

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.

We have expanded our range to include a premium and a regular version for our econogrid system.

With the knowledge of the detailed specifications the grid system can be selected to suit the project, offering high quality premium options for coastal and exclusive projects or a more cost effective regular quality system for inland and less humid and demanding conditions.

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
- Zinc Coating - Z100 for coastal & high humidity / Z60 for inland & low humidity
- 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
- Our warranty provides a performance guarantee
- Quality assurance standard

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

Description	Size (m)	Qty / Box	Steel Grade	Zinc Coating	Clip	Warranty
Main Tee (Premium)	3.6	30	ISQ300	Z100	QRC Stainless Steel 304H	10 yrs
Cross Tee (Premium)	1.2	60	ISQ300	Z100	QRC Stainless Steel 304H	10 yrs
Cross Tee (Premium)	0.6	60	ISQ300	Z100	QRC Stainless Steel 304H	10 yrs
Main Tee (Regular)	3.6	30	ISQ230	Z60	Standard Clip	5 yrs
Cross Tee (Regular)	1.2	60	ISQ230	Z60	Standard Clip	5 yrs
Cross Tee (Regular)	0.6	60	ISQ230	Z60	Standard Clip	5 yrs
Wall Angle 24 x 19 x 0.5 mm	3.6	40				
Shadowline Wall Angle 24 x 20 x 20 x 13 mm	3.6	30				

Regular Grid available in white, Premium Grid available in white or black.

Manufacturing Standards: ASTM C635 / SANS 10400



Main Tee



Cross Tee



Wall Angle



Shadowline Trim

Premium Grid

- Galvanised Steel ISQ300
- Quick Release Clip (Stainless Steel 304H)
- Z100 Zinc Coating

Available in White and Black



For coastal applications where humidity is high

Z100  Identification on carton

Regular Grid

- Galvanised Steel
- Standard Clip
- Z60 Zinc Coating

Available in White



For inland applications where humidity is low

Z60  Identification on carton



Zinc Coating: Protection Against Corrosion

Along with steel grade, zinc coating thickness is another critical factor. In coastal regions with high humidity, a zinc coating of Z100 is recommended for maximum corrosion resistance. Inland, a lighter coating such as Z60 may suffice. Site conditions should always be considered to ensure the correct specification for the application.

Recommendations for Installation

The main thing to consider before installing any ceiling system is that all structural and roofing work must be fully completed, sealed and watertight. The ceiling installation should never begin until the building is dry inside with no risk of rainwater ingress or moisture buildup. Rooms must be dry and sealed; this will prevent ceiling sag from humidity.

1. Install after all major wet trades (plastering, screeding, tiling) are completed and dry.
2. Before final finishes like painting, carpeting or furniture.
3. Typically installed after HVAC ducts, electrical conduits, fire sprinklers, and light fittings are in position but before final connection and testing.

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 (Z60 / Z100) 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. A full list of stockists is available on the Contacts Page of our website.