



pelican systems

## econocal

### for moisture resistant ceilings

econocal ceiling tiles are produced from calcium silicate and are an extremely strong and durable tile which resists moisture and is ideally suited for ceilings in areas exposed to high humidity as well as hygiene sensitive areas. econocal tiles have a fire classification of A/A1/1 meaning they are non-combustible and there are no limitations as to where they can be used.

econocal ceiling tiles have a white vinyl face and an aluminium foil backing, as well as encapsulated edges which further enhance the tiles inherent properties.

econocal tiles are 100% humidity resistant

Features	Benefits
<ul style="list-style-type: none"> <li>• Manufactured using incombustible raw materials</li> <li>• Excellent fire resistant properties</li> <li>• Resists moisture without degradation</li> <li>• Low co-efficient of expansion and contraction</li> <li>• Composition and hardness</li> <li>• Hardened Tile Edges</li> <li>• Stable and durable</li> </ul>	<ul style="list-style-type: none"> <li>• The product will not burn</li> <li>• Flame spread is reduced and no smoke or poisonous gas is produced</li> <li>• Ideal for wet areas eg: bathrooms, kitchens and non-airconditioned areas which have high relative humidity</li> <li>• Systems installations improve efficiency of air conditioning thereby lowering long term running costs</li> <li>• Particle emission is greatly reduced</li> <li>• Offers extra strength and reduces risk of breakages</li> <li>• Resistant to buckling, cracking and sagging even under adverse</li> </ul>

### Safe & suitable for all types of commercial applications

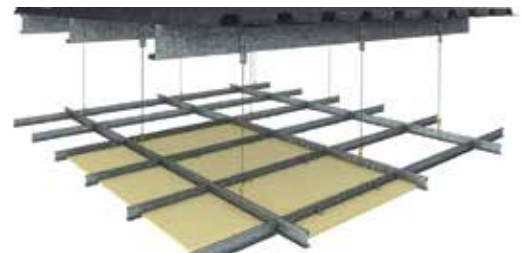
Hospitals, Schools, Industrial Kitchens, Clinics and any areas exposed to high humidity and hygiene sensitive areas.  
Preferred specification for healthcare facilities

### Product and Stocking Information

Approved  
by the  
Health  
Department

#### 100% humidity resistant vinyl clad calcium silicate ceiling tile

white  
1200 x 600 x 6mm SE  
600 x 600 x 6mm SE  
9.40 kg/m<sup>2</sup>



**Packing Details:** 10 tiles / 7.2 m<sup>2</sup> per box / 3.6 m<sup>2</sup> per box  
1200 x 600 - 40 boxes / 400 tiles per pallet | 600 x 600 - 80 boxes / 800 tiles per pallet / Mass per pallet 2.5 tons

### Recommended Tools for Installation

econocal can be cut with a scoring knife, circular saw or hand saw.  
Holes can be made with a hole saw.

### Fire Performance Classification for Buildings: SANS 428:2012 (10177-5 & 10177-10)

The econocal ceiling tile as tested did not propagate flaming during the standard SANS 10177-10 test. The overall classification of econocal in terms of the SANS specification is therefore: CLASS A/A1/1

### Bill of Quantity Specification

Lay Pelican Systems White econocal (1200 x 600mm / 600 x 600mm) x 6mm ceiling tile into econogrid ceiling grid. Ceiling grid consisting of econo Wall Angle (Standard / Shadowline) fixed to the perimeter wall using fixings at 400mm centres. Space econogrid Main Tees at 1200mm centres and suspend Main Tees using 2.5mm Galvanised Hanger Wire or 19mm Hanger Strap at 1200mm centres. Galvanised Hanger Wire shall be put through the Main Tees hole and must wind three times around itself. Two Steel Pop Rivets or one 13mm Wafer Tek screws shall be used to fix the Hanger Strap to the Main Tees web. Install econogrid Cross Tees (1200 long) at 600mm centres to create a 1200 x 600mm ceiling grid.

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.