



pelican systems

econotherm for insulated moisture resistant ceilings

econotherm tiles have an added component of 25mm fire retardant polystyrene applied to the back of the standard econocal tile which improves the thermal resistance of the tile.

Features	Benefits
<ul style="list-style-type: none"> • Manufactured using incombustible raw materials • Excellent fire resistant properties • Resists moisture without degradation • Composition and hardness • Hardened Tile Edges • Stable and durable 	<ul style="list-style-type: none"> • The product will not burn • Flame spread is reduced and no smoke or poisonous gas is produced • Ideal for wet areas eg: bathrooms, kitchens and non-airconditioned areas which have high relative humidity • Particle emission is greatly reduced • Offers extra strength and reduces risk of breakages • Resistant to buckling, cracking and sagging even under adverse environmental conditions

Safe & suitable for all types of commercial applications

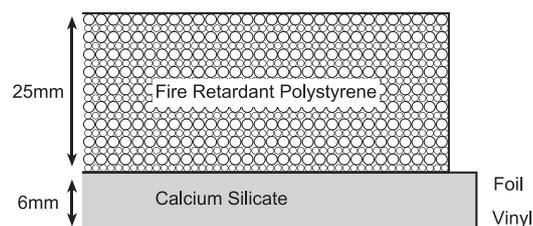
Hospitals, Schools, Industrial Kitchens, Clinics and any areas exposed to high humidity and hygiene sensitive areas.
Preferred specification for healthcare facilities

Product and Stocking Information

Approved
by the
Health
Department

100% humidity resistant

white vinyl finish
1200 x 600 x 31mm (6 + 25mm)
9.03 kg/m²



Characteristics	
Humidity Resistance	100%
Fire Classification	CLASS A/A1/2
Density	1.01 g/cm ³
Thermal Resistance	0.7 - 0.8m ² k/w
Impact Resistance	High impact resistance

Packing Details: 4 tiles / 2.88 m² per box
30 boxes / 120 tiles per pallet / Mass per pallet 816 kgs

Recommended Tools for Installation

econotherm 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 econotherm ceiling tile as tested did not propagate flaming during the standard SANS 10177-10 test. The overall classification of econotherm in terms of the SANS specification is therefore: CLASS A/A1/2

Bill of Quantity Specification

Lay Pelican Systems White econotherm 1200 x 600 x 31mm 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.