

econocoust *plus* premium acoustic ceiling tile

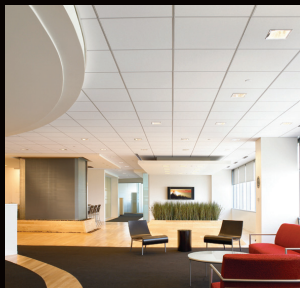


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creating environments

Econocoust plus premium acoustic ceiling tiles facilitate the acoustic functionality of a suspended ceiling by providing a range of tiles with varying NRC values (noise reduction co-efficient) which allow for both absorption and reflection of noise.

The higher the NRC the greater the absorption of noise which reduces the overall noise levels and lowers reverberation, creating a more comfortable and productive working environment. The elegant white and black Class A tiles offer an NRC of 0.90, allowing for 90% of the noise to be absorbed, and only 10% reflected.

It is however important to understand the requirements of the acoustical space, in order to correctly select the best acoustic tile option. In a lively bar or restaurant more reflectance of noise may be the objective and an NRC of 0.50 may be more suitable.

The econocoust plus range introduces specialist solution options for acoustics, hygiene, aesthetics and moisture.

Safeguarder is designed for hospitals and laboratories and is water resistant, with an anti-microbial surface as well as a non-directional smooth surface to assist with infection control.



Features and Benefits include:

- Humidity resistance up to RH 99%
- Sound absorption in accordance with JC/T 670-2005
- Light reflectance up to 90%
- Ceiling Attenuation Class up to 35
- Environmentally friendly with up to 75% use of recycled materials
- ISO 14001 Certification
- Moisture and fire resistant

Characteristics	Softpoem	Wintersnow	Quietair II	Safeguarder	Elegant / Elegant Black
Acoustics	NRC 0.55	NRC 0.55	NRC 0.60	NRC 0.50	NRC 0.90
Fire Classification	Class B/B1/2	Class B/B1/2	Class B/B1/2	Class B/B1/2	Class B/B1/2
Absorption Class	D	D	C	D	A
Humidity Resistance	RH 90%	RH 90%	RH 90%	RH 90%	RH 99%
Light Reflection	Up to 0.86	Up to 0.86	Up to 0.85	Up to 0.90	Up to 0.90
Ceiling Attenuation Class	CAC 35	CAC 35	CAC 35	CAC 35	CAC 35
Recycled Material	45%	48%	48%	53%	75%

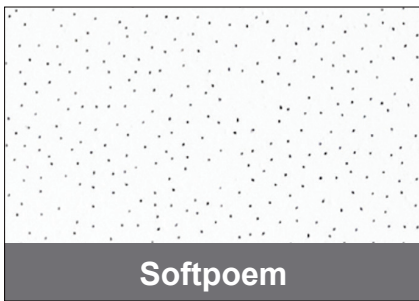
FIRE PERFORMANCE CLASSIFICATION FOR BUILDINGS:

SANS 428:2012(10177-5 & 10177-10)

The econocoust plus ceiling system as tested did not propagate flaming during the standard SANS 10177-10 test.

The overall classification of econocoust plus in terms of the SANS specification is therefore: CLASS B/B1/2

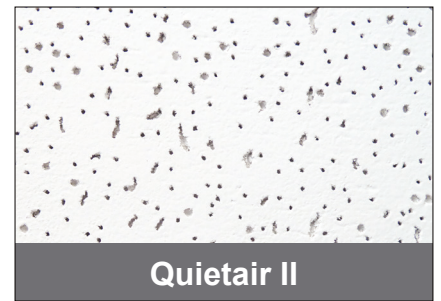
SURFACE FINISHES AND SIZES



Softpoem



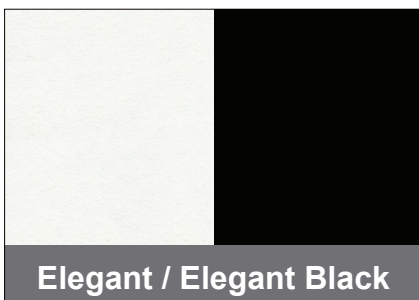
Wintersnow



Quietair II



Safeguarder



Elegant / Elegant Black

Safeguarder

a specialist solution for Hospitals, Laboratories and Restaurants.

- Meets USDA* / FSIS* guidelines for use in food processing areas
- Durable, washable and soil resistant
- Water resistant
- Anti-microbial performance to assist with infection control
- Non-directional, smooth visual surface and appearance reduces the installation time and scrap

Elegant

the ultimate solution for acoustic performance recommended for use in Conference Rooms, Schools, Theatres and Cinemas.

- Outstanding sound absorption with an NRC 0.90
- Special acoustic tissue laminated surface increasing the strength and durability of the surface
- Non-directional, smooth visual surface and appearance reduces the installation time and scrap
- Excellent Fire-resistant performance

* USDA - United States Department of Agriculture

* FSIS - The Food Safety and Inspection Service is the public health agency in the U.S. Department of Agriculture responsible for ensuring that the nation's commercial supply of meat, poultry, and egg products is safe, wholesome, and correctly labelled and packaged.

Product Information	Softpoem	Wintersnow	Quietair II	Safeguarder	Elegant / Elegant Black
Thickness	15mm	15mm	15mm	15mm	15mm
Edge Detail	SE	SE	SE	SE	SE
Sizes in Stock	1200 x 600	1200 x 600	1200 x 600	1200 x 600	600 x 600
Kgs / m ²	3.889	3.889	3.889	3.889	1.806
Packing Information					
Quantity per carton	10	10	10	10	12
m ² per carton	7.2	7.2	7.2	7.2	4.32
Tiles per pallet	300	300	300	300	576

Bill of quantity specification:

Supply and install Pelican Econocoust Plus (**Softpoem/Wintersnow/Quietair II/Safeguarder**) mineral wool ceiling tiles size 1200 x 600 x 15mm (or 600 x 600 x 15mm) with square edge (or revealed edge) and white painted finish laid onto Pelican Econogrid pre-painted white exposed tee grid system including fire safety punch outs. Main tees suspended by means of 19 x 0.5mm GMS strap (or 2.5mm wire) hangers at 1200mm centres.

Supply and install Pelican Econocoust Plus (**Elegant/Elegant Black**) glass fibre ceiling tiles size 1200 x 600 x 15mm (or 600 x 600 x 15mm) with square edge (or revealed edge) and white painted finish laid onto Pelican Econogrid pre-painted white exposed tee grid system including fire safety

*NOTE: All ceilings should be installed in accordance with the current code of practice for ceiling installation adopted by the South African Building Interior System Association (SABISA) and the manufacturer's instructions. Care should be taken to ensure that the fixing used for the suspension points should be able to support a safety factor of three times the design load of the ceiling. Suspended ceilings are not designed to take the weight of services personnel walking around on its surface. The ceiling erection should take place at a late stage in the building contract when the area is clean and there is less likelihood of damage from other trades and exposure to the elements.



Pelican Systems is an ISO 9001:2008 certified company (certified from 2005)