# econotile
**foil back gypsum ceiling tile**

econotiles are widely used in suspended ceiling applications due to their cost effectiveness and performance.
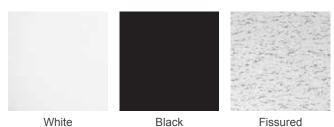
Whilst there are still specifications for the 12mm tile, the 9mm tiles have proved their capability over the years and are the most popular thickness in the market today.

## Features and Benefits
• Foil backing to increase thermal resistance, reduce water penetration and improve noise reduction
• Encapsulated (taped) edges llimits water penetration, ensures a longer life span and minimises gypsum dust
• Directional arrows on foil backing facilitates directional installation and improved overall aesthetic
• Tiles are non-toxic, non-combustible and resistant to humidity

| Test Item | Test Result |
|---|---|
| Acoustics | NRC 0.509 |
| Thermal Resistance | 0.25$(m^2.k)/W$ |
| Fire Classification | Class B/B1/2 |
| Encapsulated Edges & Appearance Quality | No cracks, no fragments, no warps, no distortions, no broken edges & corners that have bad effects on its usage and appearance |
| Bulk Density | 7.7 kg/$m^3$ |
| Moisture Content | 1.4 % |
| Flexural Load | 169N |

## Product and Stocking Information

White     Black     Fissured

**9mm White, Black or Fissured**
600 x 600 and 1200 x 600
**12mm White**
1200 x 600

## Packing Details:

**9mm**

| Sizes | Average Kg / Tile | Tiles / Carton | Carton / Pallet | Tiles / Pallet | Average Kg / Pallet incl pallet | m² / Pallet |
|---|---|---|---|---|---|---|
| 1200 x 600 | 4.81 | 8 | 50 | 400 | 1940 | 288 |
| 600 x 600 | 2.40 | 8 | 100 | 800 | 2010 | 288 |

**12mm**

| Sizes | Average Kg / Tile | Tiles / Carton | Carton / Pallet | Tiles / Pallet | Average Kg / Pallet incl pallet | m² / Pallet |
|---|---|---|---|---|---|---|
| 1200 x 600 | 6.34 | 6 | 50 | 300 | 1902 | 216 |

## Recommended Tools for Installation
econotiles 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 econotile ceiling system as tested did not propagate flaming during the standard SANS 10177-10 test.
The material is classified as combustible in terms of SANS 10177-5:2012.
The overall classification of econotile in terms of the SANS specification is therefore: CLASS B/B1/2

## Bill of Quantity Specification
Supply and install Pelican econotile foil back ceiling tiles with (white) or (fissured) or (black) vinyl face finish, size (600 x 600 x 9 or 12mm) or (600 x 1200 x 9 or 12mm) laid on Pelican econogrid exposed suspension ceiling grid system with pre-painted white capping, ceiling perimeter to be finished with pre-painted (Standard) or (Shadowline) wall trim. Hold down clips may be used to hold the ceiling tiles firmly in position. Suspension shall be in accordance with the manufacturer's recommendations and to include all necessary hangers, sub grid and fixings.

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.