

econotherm

insulated calcium silicate ceiling tile

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.

All the other features and benefits of the Econocal tile apply as well as.



SAFE & SUITABLE FOR ALL TYPES OF COMMERCIAL APPLICATIONS
Hospitals, Schools, Office Buildings and Retail Outlets
Preferred specification for healthcare facilities

SURFACE FINISHES AND SIZES



white

1200 X 600 X 31mm (6+25mm) SE

9.03 kg/m²

Packing Details:

10 tiles / 7.2 m² per pack

100 tiles per stack

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

| Characteristics | White |
|---------------------|------------------------------|
| Humidity Resistance | 100% |
| Fire Classification | Class A/A1/2 |
| Durability | Termite and rodent proof |
| Density | 1.01 g/cm ³ |
| Thermal Resistance | 0.7 - 0.8 m ² k/w |
| Impact Resistance | High impact resistance |

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

Econotherm 6mm calcium silicate aluminium foil backed and 25mm thick fire retardant polystyrene glued to back. Ceiling tiles size 1200 x 600 x 31mm overall thickness with White vinyl finish laid onto Econogrid 38 x 24mm pre-painted white exposed tee grid system. Find this spec on Autospec and CCN

* **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 accredited company certified since 2005 by the TUV Rheinland Group of Companies