



# INSULATION & PACKAGING DISTRIBUTORS CC

## ECOTHERM

### Product Installation:

Ecotherm should be ordered in the thickness designed to achieve the required thermal resistance when installed over ceiling and with a ceiling air-cavity. The 1.20m width of rolls is best cut with shears or a large pair of scissors into a width of 1.0m to fit the 750mm centering of joists/trusses in common timber roof construction.

These lengths are fitted with an up-stand against the trusses of approximately 125mm such as to minimise the conduction through the timber joists. The off-cuts can be used against wall plates, doubling up thicknesses where heat losses are greatest.

Ecotherm should not be installed over concealed downlighting, in view of the heat generated by these lamps. A 150mm margin should be cut around hot flues from chimneys, and concealed ceiling fan motors.

### Quality:

Made from recycled polyethylene-terephthalate (PET) in an ISO9001 Quality Management System manufacturing environment.  
Tested in terms of the relevant SABS 1381:Part 1 requirements, and those of the TIASA protocol.

### Specification:

Thermal conductivity:	0.055W/m ° C / R-value 0,73
Density:	10kg/m <sup>3</sup>
Dimensional stability:	Recovery to full thickness in 24hr after compression
Operating temperature:	-30 to 130° C
Moisture absorption:	Less than 2.0% by mass
Thickness:	40mm

### National Building Regulations:

Ecotherm has been tested to the draft SANS 428 protocol to draft SANS 10-177 Part 9 & 10 and conforms to the requirements of the draft SANS 10-400T for Fire Safety.

### Ecotherm Benefits:

#### **Economical:**

Ecotherm saves heating and cooling costs and can pay for itself in one heating season.

#### **Great insulation:**

Ecotherm is great thermal and acoustic insulation.

#### **User friendly:**

Ecotherm contains only soft fibres which are easily rolled out by hand and cut to size.

#### **Safe as houses:**

Ecotherm is non-toxic, fire safe, and does not support rodents or bacterial/fungal growth.

#### **Benefits to the environment:**

Ecotherm reduces energy usage and green-house gas emissions.