



190x190x140mm



186x186x95mm

**CIRCULAR AND RECTANGULAR
AIRTIGHT DOWNLIGHT COVER
INTERNAL USE**

Technical Description

Ceiling down-lights present particular challenges for airtight design and continuity of the insulation layer. Typically 25% of household energy wastage is lost through air leakage.

Partel IZOTHERM COVER can reduce the amount of heat lost through the installation of downlights in ceilings by creating an airtight seal around the lamp. Installing downlights can reduce the effectiveness of loft insulation by up to 30% so when trying to meet building regulations, or make a building as thermally efficient as possible, downlights can make all the difference.

- ✓ Allows for continuity of loft or attic insulation
- ✓ Provides a high-performance airtight seal
- ✓ Reduces draughts and energy loss
- ✓ Reduces the risk of condensation
- ✓ Improves air quality by reducing the airflow
- ✓ Works in tandem with heat recovery systems
- ✓ Reduces noise entering and escaping through downlights
- ✓ Manufactured from recyclable, flame retardant material
- ✓ Easy to install by anyone

IZOTHERM COVER 140 is the most popular solution as it can be easily fitted over most downlights. Squared sides allow for fitting close to the joist and there are four corner flanges for fixing in position.

IZOTHERM COVER 95 has been specially designed for use in sloped ceilings or fitting into a 100mm floor. The overall height of 95mm allows for fitting where height is restricted and maximum space for insulation is required.

Properties		Performance	Standard
Mechanical resistance and stability	Compression Resistance	Pass	Electrical Safety Council Best Practice Guide 5
	Stability	Pass	Electrical Safety Council Best Practice Guide 5
Safety in case of fire	Flammability rated	V0	UL94
	Fire Hazard	960p pass	IEC 695-2-1
	Prevention of Overheating	Pass	BS EN 60598-2-2: 1997

"The information provided is based on current knowledge and experience. This data sheet may become invalid and we reserve the right to make changes to designs and processes as we continually improve quality. Processing instructions including full system component details should be adhered to. Visit partel.com for the most up to date information"



Fields of Application

IZOTHERM COVER 140

- Installation over downlights which are situated in ceilings to lofts and attics
- Squared sides allow for fitting close to joist
- Meets the requirements for Building Regulations 2.3: C2 – Condensation; L1 – Insulation & Air Leakage; E1 - Sound Protection

IZOTHERM COVER 95

- Installation over downlights which are situated in ceilings to lofts and attics
- Designed for use in sloped ceilings or fitting into a 100mm floor
- Allows for fitting where height is restricted and maximum space for insulation is required, thanks to its overall height of 95mm
- Meets the requirements for Building Regulations 2.3: C2 – Condensation; L1 – Insulation & Air Leakage; E1 - Sound Protection

IZOTHERM COVER is extremely easy to install and does not need to be installed by an insulation professional. Simply clear the area around the downlight after turning off the power. Making sure to clean the surface of dust and debris. After this affix, the downlight covers into place with the wires of the light fitting neatly through the gaps in the downlight cover. If preferred, water-based adhesive or airtight tapes to fix the downlight cover to the base. Loft insulation is then fitted over Partel IZOTHERM COVER.

Once fitted, IZOTHERM COVER doesn't require any maintenance. Please refer to the application instructions for further information.

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