

Apollo Insulation Ltd has developed two high performance, heat reflecting tapes for use in the building sector, Thermo-Foil and EncaSeal Tape.

Both products have been tested to confirm a life-span of at least 20 years. Apollo's Thermo-Foil Tape is used to seal the joints between adjacent sheets, of Eco-Brite® and Thermo-Foil®. It is also used to seal off these products around stud-work, door or window frames. So without having to using a variety of other tapes the structure can be effectively sealed preventing air infiltration and ensuring the building meets its mandatory air pressure test.

The aluminium surface of the EncaSeal tape has a special coating that ensures it's UV resistant, bright surface never tarnishes. 100% waterproof and bug proof, this Class 0 fire rated material has a tough high density polyethylene (HDPE) substrate core essential for a long working life and keeping wastage to a minimum during installation.

One side of the EncaSeal sheet is coated with a specially developed waterproof acrylic adhesive with release liner. Once is in position, the adhesive is formulated to migrate into the tarnish proof coating, where it sets over a short period of time providing a life-long bond.

Products

For standard installation with in domestic and commercial buildings, **Thermo-Foil Adhesive Tape** should be used within the floors, ceilings, roofs and walls.

For applications on air-conditioning ducts, pipework or storage tanks, **EncaSeal Adhesive Tape** should be used. EncaSeal Tape can be used independently or in conjunction with Apollo's EncaSeal HRM. It can be installed with confidence onto insulated ducting carrying hot air at 130°C without delaminated or coming away from the insulation. It has been tested with approved concentrated disinfectants and can be pressure washed up to 207 bar at 300mm.

Technical Details

	Thermo-Foil Tape	EncaSeal Tape
Nominal Size and Weight of Roll	100m x 50mm	100m x 50mm
Nominal weight per Roll	5m ² – 700g	5m ² – 950g
Thickness without Release Liner	45 micron	150 micron
Reflectivity	96.1%	96.1%
Emissivity	0.03	0.03
Fire Resistance	To BS476 parts 6 and 7	
Peel Adhesion – PSTC-1	11.4 N/25mm	11.4 N/25mm
Shear Adhesion –PSTC-7	Indefinite at 15.2 k/Pa	Indefinite at 15.2 k/Pa
Tensile PSTC-31	99.4 N/25mm	99.4 N/25mm
Elongation	150%	150%
Max Temperature	+ 120°C	+ 120C
Min Application Temperature	- 30°C	- 30°C
Release Liner	75g	75g
Tear Resistant	Tensile MD 3.905kN/m	Tensile MD 6.620kN/m
Puncture Resistant	40.5kg-cm	41.1kg-cm

