

EncaSeal 150PE is a tough 150 micron membrane with a LOW EMISSIVITY surface of only 0.03. It is designed to completely and economically encase and seal fibre insulation used on air-conditioning ducts, pipe work and storage tank.

EncaSeal 150PE incorporates a 12 micron bright aluminium foil chosen to give a pinhole free surface when creased or crushed. The aluminium also has a good “dead fold” property, making the membrane easy to handle on site as it will not spring back. Tests show the finished on the 12 micron aluminium surface of EncaSeal 150PE provides an impermeable barrier that should withstand 20 years of life without corrosion.



Advantages of EncaSeal;-

- Allows much easier environmental control over:-
Temperature, Humidity, Ventilation
- Deflects at least 96.% of infrared energy and virtually all UV energy
- Is easy to install, once 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. There is no need to fit retaining wire-mesh around the duct work or have any other protection for the insulation.
- Can be installed with confidence onto insulated ducting carrying hot air at 130°C without delaminating or coming away from the insulation. The high performance self adhesive will adhere to most insulation and will withstand temperatures of minus 37°C to plus 127°C. Any holes are sealed so the air temperature within the duct is maintained.
- Has a low moisture transmission rate providing an excellent vapour and dust barrier areas.
- Once fitted, EncaSeal 150PE will stiffen the whole structure, ensuring existing and replaced foam or quilt insulation is sealed, kept dry and its performance maintained.
- Designed to provide protection against the egress of insects and rodents.
- EncaSeal 150PE prevents methane and carbon dioxide gases produced by external sources from migrating into AC ducting. EncaSeal 150PE also restricts the passage of airborne radon from permeating from subsoil into the ventilation system.



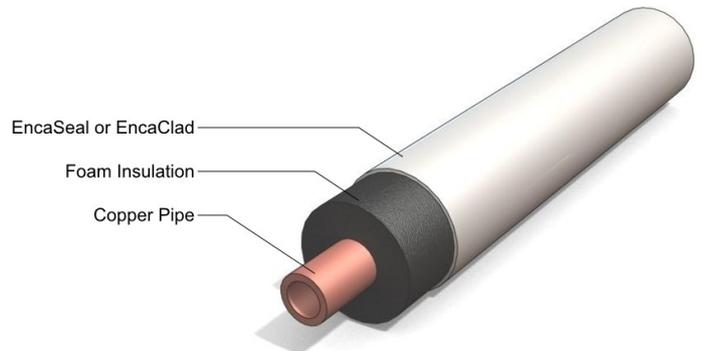
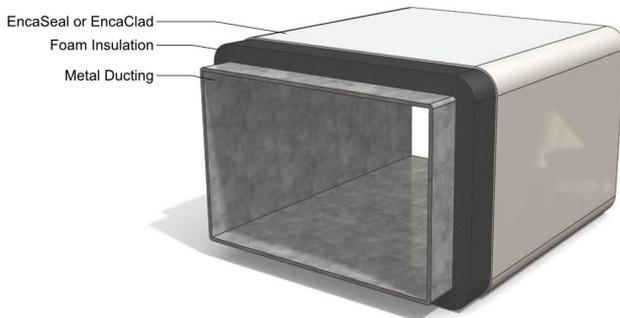
Multi-layers of EncaSeal™



- Impermeable surface finish
- 12 micron bright aluminium
- Adhesive
- 12 micron polyester
- Adhesive
- 100 micron polyethylene
- High performance self adhesive
- Paper release liner

EncaSeal 150 PE R Values

0.66 m²KW - Horizontal Heat Flow



Technical Details

Reflectivity (ASTM E903)	over 96.0%
Emissivity (ASTM E408)	0.03
Carbon Emissions Saved	Up to 23kg per m ² /annum
Roll Size	96m x 1.25m 120m ²
Nominal Thickness	150 microns
Tear Resistant (ASTM D882) Machine Direction (MD)	Tensile 6620N/m
Tear Resistant (ASTM D882) Cross Direction (CD)	Tensile 5000N/m
Beach Puncture Resistance (ASTM D774)	40.1kg-cm
Moisture/vapour Transmission Rate (ASTM E96)	0.021g/m ² .
BS476 Part 6 Fire Propagation	Class 0
BS476 Part 7 Surface Flame Spread	Class 1
Corrosion resistant	Unique surface coating
Temperature Resistant	-35°C to +127°C