

# Apollo HPA™ Adhesive Tape



## Long-life HEAT REFLECTING tape for the Building Sector

Long-life Heat Reflecting products made from a various sheet materials were conceived by NASA space scientists to protect orbiting craft from solar radiation. This heat control technology has spawned a variety of terrestrial applications. These include the famous "space" blankets that keep athletes and accident victim's warm, heat-reflecting sheaths for water tanks, air-conditioning ducts, heat-sensitive equipment and even high performance racing car components

### Introduction

Based on the heat control technology developed at NASA, Apollo Energy Research have developed a high performance, heat reflecting tape for use in the building sector. The product has been tested to confirm a life-span of at least 20 years.

Apollo HPA™ (High Performance Acrylic) Adhesive Tape has been specifically engineered to withstand the rigors of site work.

### Apollo HPA™ Adhesive Tape

Apollo HPA Adhesive Tape is used to seal the joints between adjacent sheets, of Heat Reflecting Membrane, Bubble-Foil and Multi-Foil products. It is also used to seal off these products around stud-work, door or window frames. So without having to using a variety of mastics or 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 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 sheet is coated with a specially developed waterproof acrylic adhesive with release liner.

Once the tape is in position, the adhesive migrates into other tarnish proof coating used on most heat reflecting foil products, where it sets over a short period of time providing a life-long bond.



Apollo long-life adhesive tape showing release liner



Apollo HPA adhesive tape being used to seal a Heat Reflecting Membrane installed in a private home prior to fitting plasterboard

Apollo HPA Adhesive Tape with release liner	
Nominal size of roll and weight	50mm x 100m
Nominal weight per roll	5m <sup>2</sup> roll weighs 700g including card core.
Thickness without release liner	45 micron
Reflectivity	96%
Emmissivity	0.05
Peel adhesion – PSTC-1	11.4N/25mm
Shear adhesion – PSTC-7	Indefinite at 15.2 k/Pa
Tensile PSTC-31	99.4N/25mm
Elongation	150%
Maximum continuous use temperature	+127°C
Minimum application temperature	- 37°C
Release liner	75g

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Apollo HPA Adhesive Tape features a tough tear resistant, HDPE substrate.

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