

AEROFLEX-HT HIGH TEMPERATURE

HT Solar Pipe Insulation

Closed-cell EPDM tube for solar, heating and sanitary applications to +150 °C

+150 °C MAX SERVICE TEMPERATURE Decomposition at +250 °C	0.0382 W/M·K AT 20 °C DIN 52613	BCA INDEPENDENTLY CERTIFIED BCA 2011, to AS/NZS 4859.1	7 SIZES IN RANGE 9–25 mm wall, 2 m lengths
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DESCRIPTION

Aeroflex-HT is an EPDM-based closed-cell elastomeric insulation designed for solar and heating systems, with a maximum service temperature of +150 °C and a decomposition temperature of +250 °C. It is lightweight, flexible and self-extinguishing, does not melt when burnt, and carries excellent UV and weather resistance for outdoor runs. Wall thicknesses meet the R-values required by AS/NZS 3500.4:2003, and the product is independently certified to BCA 2011 in compliance with AS/NZS 4859.1. Supplied in 2 metre lengths. A dedicated high-temperature adhesive is required — standard Aeroseal is not rated for this service.

PROPERTIES

Material	EPDM closed cell	Thermal conductivity — DIN 52613	
		MEAN TEMPERATURE	K (W/M·K)
Density	40–60 kg/m ³ (ASTM D1667)	0 °C	0.0369
Service temperature	Up to +150 °C	10 °C	0.0376
Decomposition	+250 °C	20 °C	0.0382
Water absorption	Max. 10% by weight ASTM D1056	30 °C	0.0388
Flammability	Self-extinguishing, ASTM D635 does not melt when burnt	40 °C	0.0392
UV & weather resistance	Excellent	50 °C	0.0400
		Standards	BCA 2011, to AS/NZS 4859.1 R-values per AS/NZS 3500.4:2003
		Applications	Solar, heating, sanitary

RANGE — 2 METRE LENGTHS

Aeroflex-HT tube				High-temperature adhesive	
ASE CODE	WALL	ID	PER BOX	CODE	SIZE
AIRHT09010	9 mm	10 mm	110	AA2MTFHT	200 g
AIRHT13013	13 mm	13 mm	60	AA7MTFHT	700 g
AIRHT13019	13 mm	19 mm	40	Aeroseal HT, rated to +150 °C, supplied with brush. Toluene free.	
AIRHT13035	13 mm	35 mm	20		
AIRHT19013	19 mm	13 mm	32		
AIRHT19019	19 mm	19 mm	24		
AIRHT25013	25 mm	13 mm	20		

Sizes shown are the full range catalogued by Australian Sun Energy. Other sizes are available on request. Stock holding and lead time vary by size — confirm current availability before ordering.

INSTALLATION

- Slide tube over pipework before assembly where possible; on existing lines slit length-wise and snap into place.
- Seal all cut edges and joints with Aeroseal HT high-temperature adhesive.
- Allow the adhesive to become dry to the touch but tacky before joining, then press firmly.
- For service below +150 °C, standard Aeroflex EPDM tube is the appropriate product — request that data sheet.

BEFORE YOU SPECIFY

Adhesive. Aeroflex-HT requires the high-temperature Aeroseal HT adhesive (AA2MTFHT / AA7MTFHT). Standard Aeroseal is not rated to +150 °C and must not be substituted on HT installations.

Scope of this sheet. The figures above apply to Aeroflex-HT only. They are not interchangeable with standard Aeroflex EPDM, which has a different density band, a different temperature range and its own separate approvals. The DNV marine type approval and MED certificates held for AEROFLEX/AEROCEL and AEROFLEX-HF do not cover Aeroflex-HT.

Outdoor exposure. Aeroflex-HT carries excellent UV and weather resistance. On bare, fully exposed installations in direct Australian sun, Australian Sun Energy recommends finishing the insulation with Aerocoat to protect the surface over the long term. This is Australian Sun Energy's recommendation for local conditions, not a manufacturer requirement.

