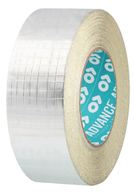
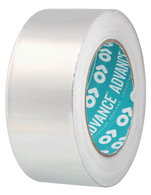
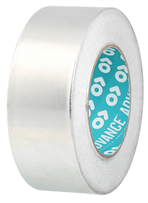
Metal Foil Tapes Guide

ADVANCE®

Foil Tape Guide

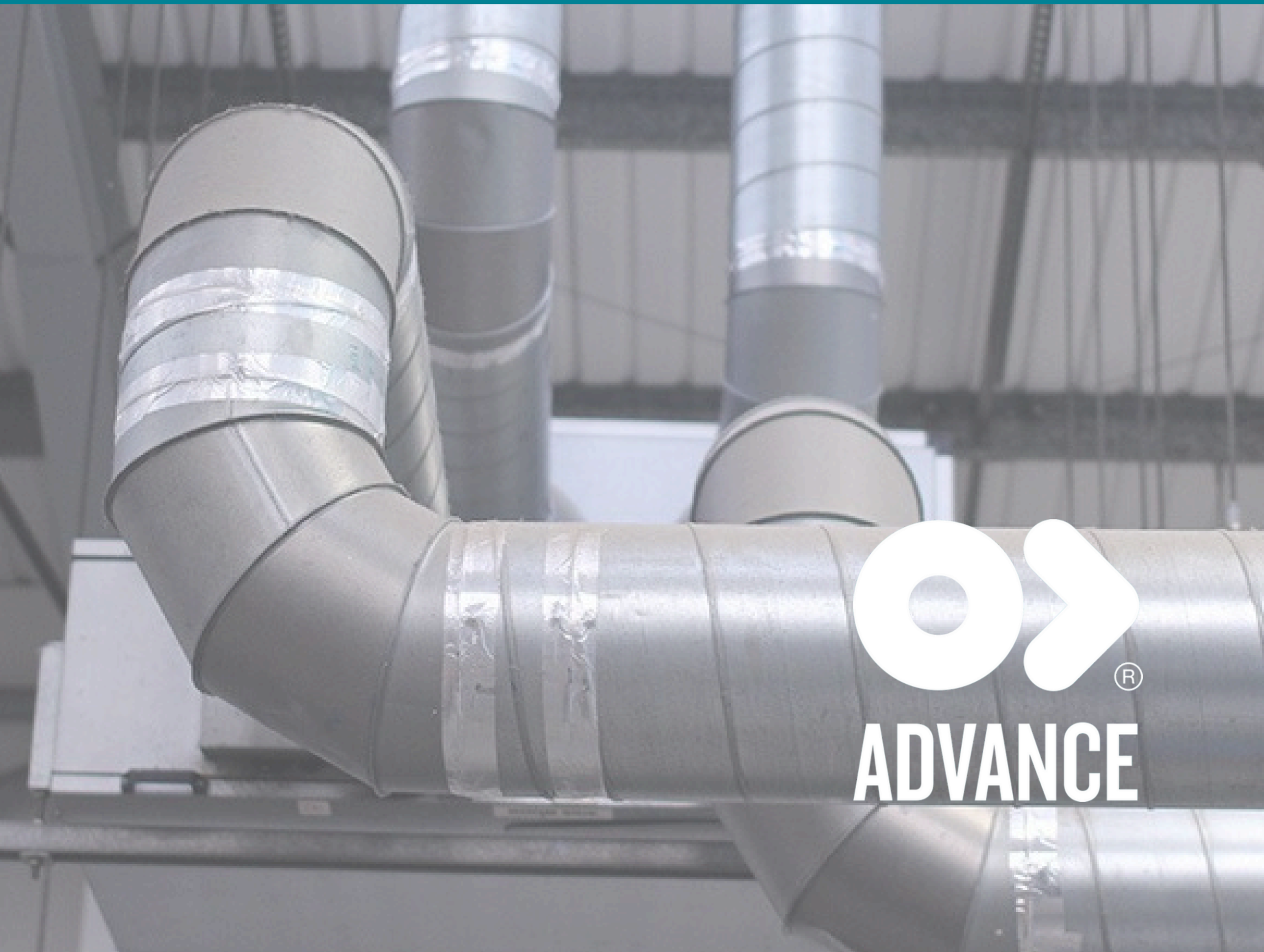
Version 1
2025

Aluminium Foil Range	 AT501	 AT500	 AT502	 AT506	 AT205	 AT521	 AT525	 AT526	 AT528
Features									
Flame Retardant	✓	✓	✓	✓	✓	✓	✓	✓	✓
High & Low Temperature Resistance	✓	✓	✓	✓	✓	✓	✓	✓	✓
Easy Unwind	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water Resistant	✓	✓	✓	✓	✓	—	—	—	—
Scrim Reinforced	✓	—	—	—	—	—	—	—	—
Matt Non-Reflective Finish	—	—	—	—	✓	—	—	—	—
Highly Conformable	—	✓	✓	✓	✓	✓	✓	✓	✓
Easy Tear	—	✓	✓	✓	✓	—	—	—	—
Conductive Acrylic Adhesive	—	—	—	—	—	✓	—	✓	✓
Non-Conductive Acrylic Adhesive	—	—	—	—	—	—	✓	—	—
Water Vapour Resistant	✓	✓	✓	✓	—	—	—	—	—
Can be Easily Soldered	—	—	—	—	—	—	✓	✓	✓
Good Shielding Effectiveness	—	—	—	—	—	✓	✓	✓	✓
Thermosetting Adhesive	—	—	—	—	—	—	✓	✓	✓
Applications									
Blocking Off Light Leakages	—	—	—	—	✓	—	—	—	—
Sealing Glazed Units In Double Glazing Industry	✓	✓	✓	✓	—	—	—	—	—
Used In The Entertainment Industry	—	—	—	—	✓	—	—	—	—
Heat Reflection And Screening In Electronics Industry	✓	✓	✓	✓	—	✓	—	—	—
Sealing Metal or Plastic Ducting	✓	✓	✓	✓	✓	—	—	—	—
Masking Off Plastic Components During Manufacture	✓	✓	—	—	—	—	—	—	—
Fixing Soundproofing To Sheet Aluminium	✓	✓	—	—	—	—	—	—	—
Sealing Cold Store Insulation	✓	✓	✓	✓	—	—	—	—	—
Sealing Ducting In Nuclear Power Stations	—	—	✓	✓	—	—	—	—	—
EMI / RFI And Static Shielding	—	—	—	—	—	✓	✓	✓	✓
Heat Reflectors Used On Exhaust Manifolds In Motorsport	—	—	—	✓	—	—	—	—	—
Joining Foil Faced, Glass Fibre, Or Rockwool	✓	✓	✓	✓	✓	—	—	—	—
Technical									
Adhesive Type	Dispersion Acrylic	Dispersion Acrylic	Dispersion Acrylic	Dispersion Acrylic	Dispersion Acrylic	Conductive Solvent Based Acrylic	Non Conducting Thermosetting Solvent Based Acrylic	Conductive Thermosetting Solvent Based Acrylic	Conductive Thermosetting Solvent Based Acrylic
Breaking Load	45 N/cm	22 N/cm	12 N/cm	35 N/cm	35 N/cm	25 N/cm	40 N/cm	40 N/cm	85 N/cm
Elongation	5%	5%	5%	11%	11%	8%	N/A	N/A	N/A
Thickness	0.14mm	0.08mm	0.07mm	0.09mm	0.09mm	0.040mm	0.035mm	0.035mm	0.050mm
Adhesion to Steel	6 N/cm	3.8 N/cm	3.6 N/cm	4.0 N/cm	4.0 N/cm	4.5 N/cm	4.5 N/cm	4.5 N/cm	4.5 N/cm
Service Temperature	-40°C +120°C	-40°C +110°C	-40°C +110°C	-40°C +110°C	-20°C +150°C	-20°C +155°C	-20°C +155°C	-20°C +155°C	-20°C +155°C
Specification	**BS476 Class 0** can be achieved when used inconjunction with other suitable products	**BS476 Part 6 and 7 Category 1, Fire Class M1 and Class 0**	**BS476 Part 6 and 7 Category 1, Fire Class M1 and Class 0**	**BS476 Part 6 and 7 Category 1, Fire Class M1 and Class 0.** **EDF PMUC Approved.**	**BS476 Part 6 and 7 Category 1, Fire Class M1 and Class 0**	Military Specification **MIL-T-47012**, Relevant **BS EN 60454 – Part 2** test. Relevant **ASTM D – 1000** test method In-house tests conforming to the flame retardant requirements of **UL 510.**	Relevant **BS EN 60454** – Part 2 test method Relevant **ASTM D – 1000** test method In-house tests conforming to the flame retardant requirements of **UL 510**	Military specification **MIL-T-47012** Relevant **BS EN 60454 – Part 2** test method Relevant **ASTM D – 1000** test method In-house tests conforming to the flame retardant requirements of **UL 510**	Military specification **MIL-T-47012** Relevant **BS EN 60454 – Part 2** test method Relevant **ASTM D – 1000** test method In-house tests conforming to the flame retardant requirements of **UL 510**

Contact us

sales@advancetapes.com

00 44 (0)116 251 0191



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