

# Athena 2550

## Embossed Aluminium Foil Tape

Created: 2010-12-28  
Updated: 2018-01-04

### GENERAL INFORMATION

---

Athena 2550 is an embossed aluminium foil tape coated with conductive adhesive, which is solderable and with low contact resistance. The aluminium foil carrier is embossed for better conductivity.

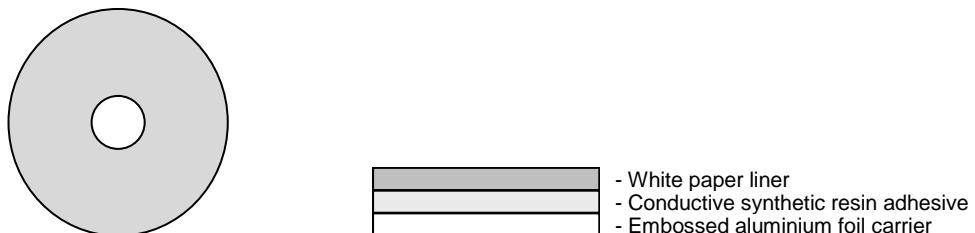
- 0,17mm thick
- Conductive synthetic resin adhesive
- Temperature resistant up to 155°C
- Better conductivity

Athena 2550 is available in all dimensions but standard widths are:

- 15mm x 33m
- 19mm x 33m
- 25mm x 33m
- 50mm x 33m

### CONSTRUCTION

---



### APPLICATIONS

---

Athena 2550 is used for a wide range of electrical applications. The tape is good for applications that require electrical conductivity from the substrate and through the adhesive and carrier. Typical applications are for example:

- EMI/RFI shielding
- Grounding and static charge draining
- Eliminating electrical interference
- Domestic appliances and electronic equipment

### USER GUIDELINES

---

To obtain optimal adhesion the surfaces must be clean and dry. Most frequent cleaning solvent is isopropyl/water (50:50 mixture) alcohol. Use safety instructions before using cleaners. Sometimes depending on surface a primer can be used to obtain a higher bonding force. Ideal temperature for tape application is between 21°C and 38°C. Usually electronic components and devices do not need to be cleaned as above.

All values above are average values and are not to be specific. To be sure about finished result we recommend that you do testing and use the product to determinate the function of the tape for your application. ATC Adhesive Tape Converting AB does NOT take any responsibility or liability direct or consequential for any loss or damage caused by using our product.

## PRODUCT DATA

---

### Physical Data:

Adhesive:	Synthetic resin conductive
Carrier:	Aluminium foil
Thickness:	Carrier: 0,040mm (before embossing) Total: 0,170mm (after embossing)
Liner:	White siliconised paper
Colour:	Aluminium
Shelf life*:	5 years
Storage:	Good storage conditions are in room temperature. Not recommended for direct exposure to sunlight or ultraviolet light.

\* From date of dispatch by ATC Tape Converting AB

### Performance Data:

Tensile strength:	25 N/10mm
Adhesive strength:	4,5 N/10mm
Electrical resistance through adhesive**:	0,005 Ohms
Flame retardancy:	Meets requirements of UL510
Heat resistance:	Up to +155°C

\*\* Tested according to MIL STD 202F Method 307 across surface area of 1 sq.inch

## USAGE

---

All metal foil based tapes have a tendency to be malleable, which may have an impact on the tape's performance. Therefore, it is important to remove any deformations or kinks that may occur when applying the tape. This can be accomplished by smoothly rolling the tape once it has been applied in position. This process will remove all deformations that can arise during manual application of the tape.

## CONTACT INFORMATION

---

**ATC Adhesive Tape Converting AB**  
Veddestavägen 17, Box 575  
175 26 Järfalla, SWEDEN

Telephone: +46 (0)8-564 708 80  
Fax: +46 (0)8-564 708 89

E-mail: [info@atc.se](mailto:info@atc.se)  
Web: [www.atc.se](http://www.atc.se)



**Intertek Intertek**