

Resin Ribbon Guide

THERMAL TRANSFER RIBBONS

Resin Thermal Transfer ribbons provide the highest print durability, ideal for long term labeling and even exterior applications. Recommended for use on synthetic label substrates such as polyester, polypropylene, etc.

Applications

PCB | Under the Hood | Blood & IV bags | Chemical

Rating plate | Machinery | Garment & Textile | Outdoor



Durability

- Resin ribbons provide the highest durability compared to any other Thermal Transfer ribbon.
- Suitable for harsh environments requiring high smudge, scratch, temperature, and chemical resistance.
- Specialized resin ribbons available for textile label printing providing resistance to industrial and domestic cleaning processes.

Substrate compatibility

- Resin ribbons deliver a premium print quality on synthetic label materials: PE, PP, PET, but also on specific materials like polyimide and garment labels (nylon, satin, polyester).
- Some resin ribbons are compatible with coated papers.
- For uncoated paper substrates, Wax and Wax-Resin ribbons are more suitable.

Printer

- Resin ribbon options are available for both Flat Head and Near Edge label printers.
- Suitable for average speed printing.

Printer parameters

Printing speed: Up to 10 ips (250 mm/s)

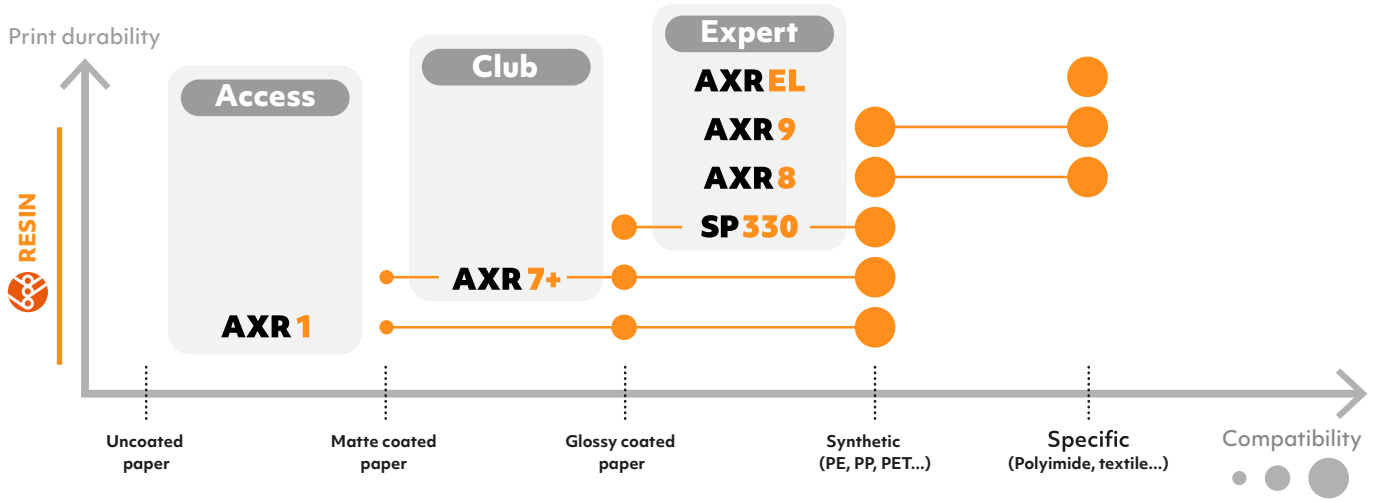
Heat settings:

wax | wax-resin | resin

Low | Medium | High

Choosing the right resin ribbon

ARMOR-IIMAK offers resin products to ensure long durability and high resistance when printing on various synthetic and specific label substrates. For ribbons dedicated to Near Edge printers, contact us.



AXR 1

Access

- High print durability
- Broad label substrate compatibility
- Very good printing quality

AXR 7+

Club

- Excellent printing quality
- Excellent resistance to smudge and scratch
- Good resistance to high temperature

SP 330

Expert

- Exceptional durability for harsh environment labeling
- Excellent mechanical durability
- Good resistance to chemicals

AXR 8

Expert

- Excellent resistance to solvents and high temperature
- Strong resistance to smudge and scratch
- High print quality on all synthetic substrates

AXR 9

Expert

- Excellent resistance to detergents and solvents
- Strong resistance to textile industrial cleaning processes
- High resistance to heat and ironing

AXR EL

Expert

- Resistant to PCBs soldering and cleaning processes
- Print sharpness for small barcodes
- Compatible with specific electronic label substrates

Additional details and technical support

Visit our website to view and download detailed Product Data sheets and use our Compare tool to ensure you select the right ribbon for your needs.