

SOFT-TOUCH
LAMINATED
EXTERIOR

SINGLE-SIDED LAMINATING BEST PRACTICES

There are several factors that impact adhesion performance. Following best practices will contribute to bond strength, regardless of the type of laminate or adhesive being used. In addition to the following recommended wait times other practices such as jogging and fanning digital output will also reduce potential failures. Visit the Resource Center on our website for complete details.

Recommended Wait Times Before Laminating					
Output Type	Adhesive	Porous Stock Light Coverage	High Gloss Coated Stock	Heavy Ink Solid Coverage	Total Wait in Hours
Offset/ Litho	Regular	3			3
Digital Wet Ink	Regular	3		3	6
Digital Dry Toner With Fuser Oil	Supersrick or Digistick	6	6	6	18
Digital Dry Toner Imbedded Lubricant	Supersrick or Digistick	3	6	6	15
Inkjet (Aqueous)	Regular	6	6	6	18
Inkjet (Aqueous)	Supersrick or Digistick	4	4	4	12

*For post-laminated wait times visit our Resource Centre at PrintFinishing.com.

SYDNEY STONE CARRIES A COMPLETE RANGE OF FINISHING EQUIPMENT & SUPPLIES

Sydney Stone knows that as your business grows, so will your finishing requirements. We provide total solutions for all finishing applications from entry-level to high volume production. All equipment is fully supported by our team of factory trained technicians and our supplies are vertically integrated to guarantee top performance.



EBA 551LT Paper Cutter

This hydraulic programmable cutter has a Maximum cut width and depth of 21.6" with a clamp opening of 3.6". Includes air-table, safety light beams and optical cut line light.



Formax FD 402A1

The FD 402A1 is a freestanding jogger, ideal for print shops and production houses, which aligns and dries printed sheets as a single process, while removing static electricity.



Morgana CardXtra Pus

Feed sheets up to 12" X 19" in size and can trim, cut and crease in multiple positions. Accuracy of +/- 0.003" makes it 5 to 7 times more accurate than other slitters in its class.



Finishing Supplies

A complete range of supplies from binding combs and coil, to knife blades and cutting sticks, to narrow and wide-format laminating films to padding and perfect binding adhesives and more.

CONTACT US



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SINGLE-SIDED LAMINATION

A Complete Solution at an Affordable Price



GLOSS LAMINATED INTERIOR

MATRIX BENEFITS & FEATURES



SEMI-AUTOMATIC FEEDER

Consistent Sheet register overlap and greater through-put.



DECURL DEVICE

Ensures all laminated materials come off the Matrix flat. The Decurl is easily adjusted to suit all applications.



AUTO-SEPARATOR

Laminated materials are automatically separated and exit the laminator with no overhang, ready for the next finishing process.



PATENTED CONTROL PANEL	The bilingual control panel puts the controls at your fingertips. It is simple, intuitive and easy to set.
LARGE STEEL HOT ROLLER	This is the latest technology, providing fast warm-up, excellent dwell time and heat-transfer rates, allowing for higher speeds with ultra-smooth finishes.
QUICK SET-UP & FILM CHANGES	Roll film changeovers can be made in less than 90 seconds. Once set-up there is no need to re-set unless the roll film or print size is changed.
MINIMAL FILM WASTE	Even during initial set-up waste is kept to a minimum, and the laminator remains set-up. Jobs can be run using only one "oversheet" which sits in the Matrix ready for the next run.
AUTOMATIC AIR-FEEDER (OPTIONAL)	Option for the MX-530. Fully automatic integrated sheet feeder results in higher productivity and labour savings.
ROLL FILM SLITTER (OPTIONAL)	Slits the laminating film on the supply roll, enabling the operator to laminate different sheet widths without having to change the laminate roll. Minimizes roll sizes inventory.



From the entry-level Royal Sovereign RSH-380SL to the high volume Matrix MX-530 with Auto-Feed, Sydney Stone has a single-sided laminating solution for you.



Laminator Model	Laminating Width	Max Sheet Width	Power Supply	Temp Range	Speed/Min	Decurl Device	Feed System	Rear Separator	Automatic Feeder	Roll Film Slitter
MX-370	15"	17"	220V/ 60hz	Up to 140C° / 284F°	Up to 33ft (10m)	Adjustable	Semi-Auto	Auto-Burst	N/A	Option
MX-530	20"	22"	220V/ 60hz	Up to 140C° / 284F°	Up to 33ft (10m)	Adjustable	Semi-Auto	Auto-Burst	Option	Option
RSH-380SL	15"	17"	120V/ 60hz	Up to 150C° / 302F°	Up to 16ft (5m)	Fixed	Manual	Manual	N/A	N/A
RSL-2702S	27"	30"	120V/60hz	Up to 150C° / 302F°	Up to 8.2ft (2.5m)	Fixed	Manual	Manual	N/A	N/A

SYDNEY STONE SINGLE-SIDED LAMINATING FILMS

OPP (POLYPROPYLENE):

OPP films are the most common laminates used for single-sided applications as they are more economical than equivalent Nylon (curl-free*) laminates and are available in a wider range of finishes.

- They offer excellent creasing and folding characteristics and can be foil stamped and glued.
- All OPP films carried by Sydney Stone (up to and including 1.8mil Superstick) are "Burstable".
- They also have excellent chemical resistance and good tear resistance.
- Common Applications: Hard and soft book covers and dust jackets, magazines, presentation folders, greeting and postcards, business cards, brochures and product sheets.
- Note: "Curl-free" is a registered trade name for D&K Nylon laminates.

FINISHES:

- Gloss: Gloss level is considered high with average abrasion resistance.
- Matte: A slightly dulled finish with average abrasion resistance.
- Scuff-Free Matte: A slightly dulled finish with excellent abrasion resistance.
- Soft Touch: A slightly dulled finish with a unique "feel" and good abrasion resistance.

ADHESIVES:

- Regular: Copolymer thermal adhesive with excellent adhesion on Offset output.
- Superstick*: Hybrid thermal adhesive with excellent adhesion on most Digital output.
- Digistick**: Hybrid thermal adhesive with good adhesion on most Digital output.

NYLON:

Nylon films are the best choice for single-sided applications when long-term continued flatness is a primary requirement. Although OPP laminates will remain relatively flat minor curl can occur when substantial changes in humidity take place after laminating.

- Nylon is unique in that it reacts to changes in humidity levels at a similar rate as paper, thereby remaining curl-free even when substantial changes in humidity levels occur.
- Nylon films start out curl-free and remain curl-free better than any other laminate.
- They offer excellent creasing and folding characteristics and can be foil stamped and glued.
- They also have excellent chemical resistance and good tear resistance.
- The Nylon films carried by Sydney Stone (1.1mil Regular & Superstick) are "Burstable".
- Common Applications: Soft book covers, dust jackets, magazines, presentation folders, greeting and postcards, business cards, brochures and product sheets.

FINISHES:

- Nylon BXT* 1.1mil Burstable is currently available in Gloss finish only.
- Gloss: Gloss level is considered high with excellent abrasion resistance.

ADHESIVES:

- Regular: Copolymer thermal adhesive with excellent adhesion on Offset output.
- Superstick*: Hybrid thermal adhesive with excellent adhesion on most Digital output.
- Note: "Nylon BXT", "Superstick", "Digistick" and "Curl-Free" are registered trademarks.
- Note: "Superstick" adhesive is "Xerox Finishing Lab Validated".

LAMINATING FILM RANGE & APPLICATION CHART

Listed below is our current offering of OPP and Nylon single-side laminating films. Sydney Stone will continue to expand this range as new laminates become available. The temperature and speed ranges shown are guidelines only and are based on using the Matrix laminator; other laminator technologies will vary. Visit Sydney Stone's Resource Centre at www.printfinishing.com for more details.

Film Type	Gloss	Matte	Scuff Free Matte	Soft Touch	Regular Adhesive	Superstick Adhesive	Digistick Adhesive	Temperature Range	Speed Range
OPP 1.2 MIL	X	X			X			100-105C° / 212-221F°	4-5 mtr / 13-17 fpm
OPP 1.4 MIL				X	X		X	100-105C° / 212-221F°	4-5 mtr / 13-17 fpm
OPP 1.8 MIL	X		X			X		105-110C° / 221-230F°	4-5 mtr / 13-17 fpm
Nylon 1.1 MIL	X				X	X		120-135C° / 248-275F°	4-5 mtr / 13-17 fpm