

# Labeling Guidelines

Technical information and definitions regarding the facestocks, adhesives and liners commonly used in the wine and spirits segments

# Fasson® Wine and Spirits Label Adhesive Guidelines

Avery Dennison offers more than 500 Fasson adhesives. Wine and spirits labeling requires special adhesive formulations due to the unique set of labeling and end-use conditions. Following are the adhesives best suited to labeling glass wine and bottles under standard bottling room conditions. Please note, full label adhesion is usually reached 72 hours after bottles are labeled. Adhesion levels vary based on the type and thickness of the bottles' anti-scratch coating. In addition to adhesive selection, neck labels require a flexible facestock.

ADHESIVE	LONG-TERM WARM WATER REMOVABILITY	SHORT-TERM REPOSITIONABILITY	COLD LABELING CONDITIONS	WET LABEL CONDITIONS	ICE BUCKET TEST	NECK LABELS	BOTTLE COATINGS	PAPER/FILM FACESTOCKS
<b>S100R</b> Permanent emulsion acrylic adhesive	Excellent	Good	Good	Good	Pass	Excellent	All	Paper Only
<b>AT20 (N)</b> All-temperature emulsion acrylic adhesive	N/R	Good	Good	Good	Pass	Good	All	Best w/ Paper
<b>Z1010</b> All-temperature emulsion acrylic adhesive	N/R	Good	Good	Good	Pass	Good	All	Paper Only
<b>Z3338</b> All-temperature emulsion acrylic adhesive	N/R	Good	Excellent	Excellent	Pass	Fair	All	Paper Only
<b>S246</b> Permanent rubber-based hot melt adhesive	N/R	N/R	N/R	N/R	Pass	Excellent	All	Best w/ Paper
<b>S7000</b> Crystal-clear permanent emulsion acrylic adhesive	N/R	Good	Good	Good	Pass	Good	All	Film Only

N/R Not Recommended

All comparisons are believed to be reliable and accurate. However, the furnishing of such information and comparisons is for reference purposes only and does not constitute a warranty of any kind. Actual product performance should always be tested for fitness-for-use.

# Fasson® Wine and Spirits Label Liner Guidelines

The liner is a critical component of the pressure-sensitive labeling “sandwich” for a number of reasons:

1. Provides support for the facestock while it is being die cut
2. Provides a controlled release surface, enabling the matrix to be stripped quickly and efficiently
3. Transports the label on a durable web, enabling labels to be dispensed continuously at high speeds (or variable speeds) with significant web tension changes on the application equipment

Following are the Fasson-brand liners typically utilized in pressure-sensitive wine labeling applications.

LINER	DESCRIPTION	DISPENSE SPEED	WET LABELING CONDITIONS	DEEP EMBOSSING	INTRICATE DIE SHAPES	PAPER/FILM FACESTOCKS	RECYCLEABLE
40#SCK	40# bleached super-calendered paper	Low to Medium	N/R	Fair	Fair	Best w/ Paper	Yes
44#PK	44# brown kraft paper with polyfilm coating	Low to Medium	Good	Good	Good	Paper/ Film	No
.92 Mil PET	.92 Mil hazy-clear polyester film	Low to High	Excellent	Good	Good	Film	Yes
1.2 Mil PET	1.2 Mil hazy-clear polyester film	Low to High	Excellent	Excellent	Excellent	Paper/ Film	Yes

N/R Not Recommended

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# Fasson® Wine and Spirits Label Facestock Guidelines

PRODUCT	COLOR	TEXTURE	FINISH	WET-STRENGTH	BASIS WT.	OFFSET PRINTABILITY	FLEXT PRINTABILITY	HOT FOIL STAMPING	EMBOSSING
<b>UNCOATED PAPERS</b>									
Bright White Felt	Bright White	Felt	Uncoated	Yes	70#	Excellent	Fair	Good	Excellent
Classic Crest®	Natural White	Smooth	Uncoated	Yes	60#. 70#	Excellent	Good	Excellent	Excellent
Classic Crest®	Solar White	Smooth	Uncoated	Yes	60#. 70#	Excellent	Good	Excellent	Excellent
Classic® Felt	Natural White	Felt	Uncoated	No	60#	Excellent	Fair	Good	Excellent
Classic® Laid	Bright White	Laid	Uncoated	Yes	60#	Excellent	N/R	Fair	Excellent
Classic® Linen	Bright White	Linen	Uncoated	Yes	60#	Excellent	Good	Excellent	Excellent
Eggshell Felt	Cream	Felt	Uncoated	Yes	70#	Excellent	Fair	Good	Excellent
Envl®	Bright White	Smooth	Uncoated	Yes	60#	Excellent	Excellent	Excellent	Excellent
Estate Label® No. 4	Natural White	Laid	Uncoated	Yes	60#	Excellent	Fair	Fair	Excellent
Estate Label® No. 8	Bright White	Vellum	Uncoated	Yes	60#. 80#	Excellent	Fair	Excellent	Excellent
Estate Label® No. 9	Cream	Laid	Uncoated	Yes	60#	Excellent	Fair	Fair	Excellent
Estate Label® No. 14	Bright White	Smooth	Uncoated	Yes	60#	Excellent	Good	Good	Excellent
Estate Label® No. 17 Martele	Titanium White	Martelle	Uncoated	Yes	60#	Excellent	Fair	Excellent	Excellent
Estate Label® No. 25 Black	Black	Vellum	Uncoated	Yes	60#	Excellent	Fair	Excellent	Excellent
Global White	White	Smooth	Uncoated	Yes	74#	Excellent	Excellent	Fair	Good
Crush Grape	Natural	Smooth	Uncoated	Yes	60#	Fair	Fair	Good	Good
Luna	Bright White	Stipple	Uncoated	Yes	60#	Excellent	Fair	Excellent	Excellent
Royal White	Violet White	Vellum	Uncoated	Yes	70#	Excellent	Good	Excellent	Excellent
Uncoated Litho 100 PCW	Bright White	Smooth	Uncoated	Yes	50#	Fair	Good	Good	Good
Uncoated Litho WS	Bright White	Smooth	Uncoated	Yes	60#	Fair	Good	Good	Good
Crush barley	Natural	Smooth	Uncoated	Yes	60#	Fair	Fair	Good	Good
Crush Citrus	Natural	Smooth	Uncoated	Yes	60#	Fair	Fair	Good	Good
Hemp	Natural	Smooth	Uncoated	Yes	60#	Fair	Fair	Good	Good
<b>GLOSSY PAPERS &amp; COATED PAPERS</b>									
Cast Gloss	Bright White	Smooth	Coated Gloss	No	60#	Excellent	Excellent	Excellent	Excellent
Matte Litho WS	Bright White	Smooth	Coated Matte	Yes	60#	Fair	Good	Good	Good
Semi Gloss	Bright White	Smooth	Coated Gloss	No	60#	Excellent	Excellent	Excellent	Excellent
<b>LAMINATED FOILS AND METALLIZED PAPERS</b>									
Bright Silver Foil	Bright Silver	Smooth	Foil Laminated	No	70#	Good	Excellent	Good	Excellent
MaxFlex™ Bright Silver	Bright Silver	Smooth	Metallized	No	56#	Good	Excellent	Good	Good
Dull Silver Foil	Dull Silver	Smooth	Foil Laminated	No	70#	Good	Excellent	Good	Excellent
<b>BLACK COLLECTION</b>									
Black Velvet	Black	Velvet	Uncoated	No	155#	Excellent	Excellent	Good	Excellent
Black Vellum	Black	Vellum	Uncoated	Yes	60#	Excellent	Excellent	Excellent	Excellent
Black Cotton Feel	Black	Vellum	Uncoated	Yes	70#	Excellent	Good	Good	Excellent
Classic® Laid Epic Black	Black	Laid	Uncoated	No	70#	Excellent	Excellent	Excellent	Good
Estate Label® No. 25 Black	Black	Vellum	Uncoated	Yes	60#	Excellent	Excellent	Excellent	Excellent
Night Skye Black	Black Pearlescent	Smooth	Uncoated	Yes	74#	Excellent	Excellent	Excellent	Excellent
<b>LUMINOUS COLLECTION</b>									
Brushed Platinum	Bright Silver	Smooth	Metallized	No	60#	Excellent	Excellent	Good	Excellent
Frozen Orion Diamond	Pearlescent	Smooth	Coated Gloss	Yes	60#	Excellent	Excellent	Excellent	Excellent
Night Skye Black	Black Pearlescent	Smooth	Uncoated	Yes	74#	Excellent	Excellent	Excellent	Good
Snowbound White	White Pearlescent	Smooth	Uncoated	Yes	74#	Excellent	Excellent	Excellent	Excellent
Estate Label® No. 6 White Pearl	Pearlescent	Smooth	Coated Gloss	Yes	64#	Excellent	Excellent	Excellent	Excellent
White Shursheen	Pearlescent	Smooth	Coated Gloss	No	60#	Excellent	Excellent	Excellent	Excellent
<b>SENSORIAL COLLECTION</b>									
Birch Wood	Birch	Smooth	Uncoated	N/A	128#	Fair	Fair	Fair	N/A
Black Velvet	Black	Velvet	Uncoated	No	155#	Excellent	Excellent	Good	Excellent
Cambric Birch	Birch	Smooth	Uncoated	N/A	128#	Fair	Fair	Fair	N/A
Cherry Wood	Cherry	Smooth	Uncoated	N/A	119#	Fair	Fair	Fair	N/A
Cotton White Tree Free	White	Felt	Uncoated	Yes	80#	Fair	Fair	Good	Excellent

PRODUCT	COLOR	TEXTURE	FINISH	CALIPER (MIL)	BASIS WT.	OFFSET PRINTABILITY	FLEXP PRINTABILITY	HOT & COLD FOIL STAMPING	EMBOSSING
<b>SENSORIAL COLLECTION CONT.</b>									
Cotton White Tree Free	White	Felt	Uncoated	Yes	80#	Fair	Fair	Good	Excellent
White Cotton Feel	White	Felt	Uncoatd	Yes	70#	Excellent	Good	Good	Excellent
Black Cotton Feel	Black	Vellum	Uncoated	Yes	70#	Excellent	Good	Good	Excellent
Dappled White	Bright White	Micro- Textured	Coated Matte	No	64#	Excellent	Excellent	Fair	Fair
Ruby Velvet	Ruby	Velvet	Uncoated	No	155#	Good	Good	Excellent	Good
<b>FILMS</b>									
Clear BOPP	Ultra Clear	Smooth	Topcoat	2.0		Excellent	Excellent	Excellent	Fair
High Performance FasClear®	Ultra Clear	Smooth	Topcoat	2.5		Excellent	Excellent	Excellent	Fair
High Performance Primax®	White	Smooth	Topcoat	2.5		Excellent	Excellent	Excellent	Fair
Metallized BOPP	Bright Silver	Smooth	Topcoat	2.0		Excellent	Excellent	N/R	Fair
White BOPP	White	Smooth	Topcoat	2.0		Excellent	Excellent	Excellent	Fair
White BOPP	White	Smooth	Topcoat	2.4		Excellent	Excellent	Excellent	Fair

## Definitions

### ADHESIVE

#### Long-Term Warm Water Removability:

Label and adhesive will remove from glass and plastic containers when soaked in 100°F water for 5 minutes. Best results when used on new glass coated with standard PE, AP-5 or Oleic Acid anti-scratch coatings.

**Short-Term Repositionability:** Low initial tack for up to 20 minutes of repositionability/removability of misapplied labels.

**Cold Labeling Conditions:** Suitable for use when bottle temperature at time of labeling (or ambient temperature in bottling room) is between 40°F and 60°F. All adhesives are suitable for labeling at temperatures above 60°F.

**Wet Labeling Conditions:** Labeling wet bottles is difficult. Water acts as a contaminant, compromising the integrity of the adhesive. Bottle dryers are recommended for heavy condensation. However, for applications where fogging may occur, be sure to use an appropriate adhesive.

**Ice Bucket Test:** Labeled bottles are placed in a ice bath for 8 hours. "Pass" means labels do not float off or exhibit edge lift. Minor slippage with finger pressure may occur. Facestock saturation, degradation and/or discoloration is a function of the facestock chosen, not the adhesive. Film or wet-strength paper facestocks are highly recommended where long-term ice bucket performance is required. coatings as noted: PE, AP5 and Oleic Acid.

**Long-Term Warm Water Removability:** Label and adhesive will remove from glass and plastic containers when soaked in 100°F water for 5 minutes. Best results when used on new glass coated with standard PE, AP-5 or Oleic Acid anti-scratch coatings.

**Neck Labels:** High initial tack and good mandrel hold for neck label applications. Testing is required as many factors will affect label performance, e.g., facestock stiffness, ink and varnish coverage, size of label overlap, bottling temperature and bottle coating levels.

**Bottle Coatings:** Suitable for use with bottle coatings as noted: PE, AP5 and Oleic Acid.

### FACESTOCK

**Texture:** The tactile surface characteristic of a paper sheet, including the following:

**Smooth:** No noticeable relief pattern or texture

**Vellum:** Rough, porous surface, but with no distinct raised areas

**Laid:** Traditional hand-made feel; horizontal raised lines and vertical watermarked lines

**Linens:** Crisp, tightly patterned horizontal and vertical raised lines

**Felt:** Random, mottled, raised texture

**Martele:** Small consistent indentations creating a subtle hammered look

**Topcoat:** Functional coating applied to a film to enhance the anchorage of ink without corona treatment.

**Basis Wt.:** The weight in pounds of 500 sheets of the paper at 24" x 38".

**Foil Laminate:** Special paper, extrusion laminated with thin-gauge aluminum foil for enhanced aesthetics (can be topcoated to improve its printability).

**Wet-Strength:** Paper has chemical and/or physical components added to increase internal bond strength when saturated.

**Flexibility:** The ability of a paper to wrap around tight diameters. Papers with "excellent" flexibility are good choices to test as neck labels and wide body labels. Papers with "poor" flexibility may flag when used on curved surfaces, especially when combined with low-tack adhesives.

**CD Stiffness:** A measure of the flexibility and conformability of a facestock (across the web) as labels are unwound

**MD Stiffness:** A measure of the flexibility and conformability of a facestock in the direction labels are unwound

**Corona Treatment:** A process of passing a web by the arc of an electric current (corona) to chemically enhance the surface and make it inherently more printable.

**Metallized:** Special paper with vacuum deposited metal for enhanced aesthetics.

### LINER

**Super-Calendered Kraft (SCK):** Very dense, very smooth, highly refined kraft liner. Provides excellent support for die cutting.

**Glassine:** Super-calendered, translucent paper made from pulp with high hydration. Provides excellent support for die cutting.

**Poly-Film Coating:** Polyethylene extrusion coating applied to a kraft paper for improved dimensional stability and strength.

#### Dispense Speed:

Low speed <150 750 ML bottles per minute

Medium speed 150-200 750 ML bottles per minute

High speed >200 750 ML bottles per minute

**Wet Labeling Conditions:** For use in wet labeling environments or when condensation may accumulate on the web prior to dispensing. Film or poly-coated liners are strongly recommended to prevent web breaks.

**Liner Recycling:** For information about liner recycling in your area, please contact [winteam@averydennison.com](mailto:winteam@averydennison.com)

N/R Not Recommended

\* Performance of each printing technology is highly dependent upon choice of ink, degree of cure, etc. Inks should be thoroughly tested prior to production

\*\* Performance of hot foil is dependent upon choice of foil. Test thoroughly before going into production. All comparisons are believed to be reliable and accurate. However, the furnishing of such information and comparisons is for reference purposes only and does not constitute a warranty of any kind. Actual product performance should always be tested for fitness-for-use

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**Statement of Practical Use**

All pressure-sensitive materials should be tested thoroughly under end-use conditions to ensure they meet the requirements of the specific application.

**Warranty**

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