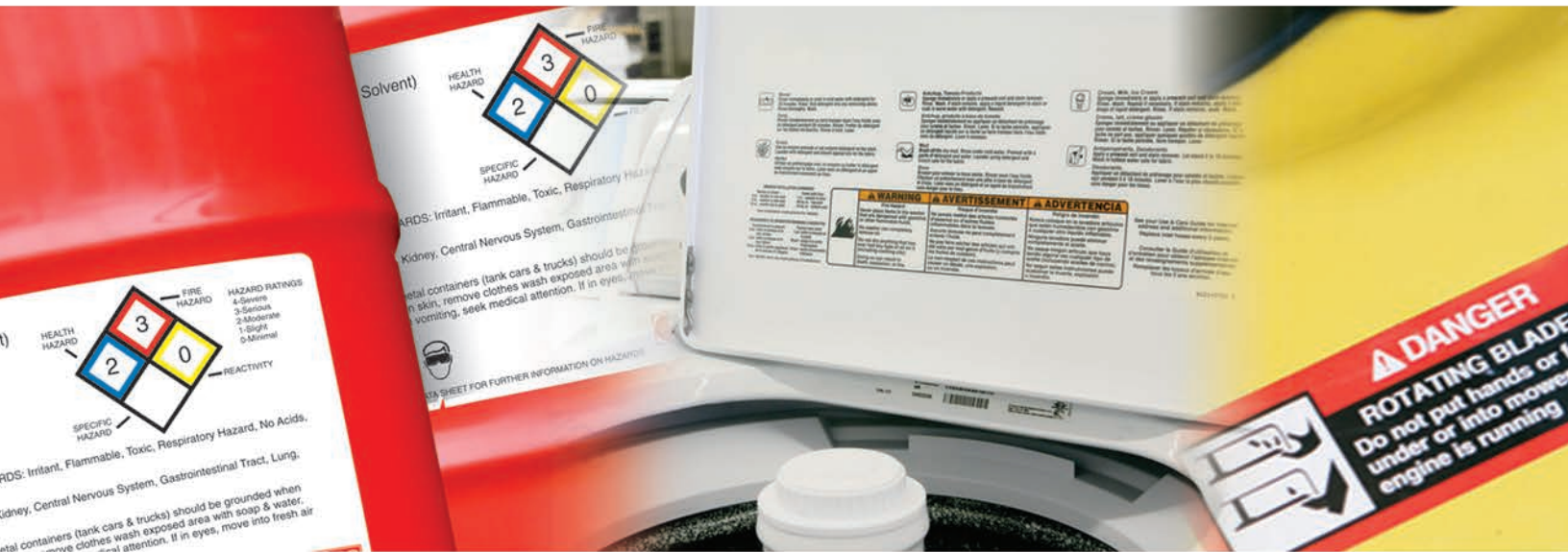


DURABLE FILMS

Labels that Last a Lifetime



Mactac® offering combines high-performance adhesive and durable films for a total product offering that addresses the most demanding labeling applications.

Mactac's expanding line of durable film solutions are:

- UL Recognized for indoor & outdoor applications
- British Maritime BS5609 Compliant for drum labeling
- Feature Mactac's proprietary acrylic MP690 adhesive
- Offered through Mactac's Precise Program to accommodate smaller orders



DURABLE FILMS

Mactac is pleased to introduce our line of heavy-duty, high performance Durable Films.

These labelstocks are designed to withstand harsh environments – heat, cold, acid, moisture, UV light or solvents. These labels can take the punishment! Combined with MP690 adhesive specifically developed for durable labeling, these products will tackle your toughest durable film labeling applications — appliance, nameplate, lawn and garden, chemical drum and wet cell battery labeling.

- UL Recognized for indoor/outdoor label applications
- British Maritime BS5609 Compliant for drum labels

Properties	PJ6914 2.6 Mil White Labelyte™	BDF6914 3 Mil White TT BOPP	BDE6914 2.6 Mil White UV BOPP	VDG6911 3.4 Mil White Vinyl	FAB6914 1.0 Mil Clear Gloss PET
Outdoor Durability	6 Months to 1 Year	6 Months to 1 Year	Up to 2 Years	5 Years	2 Years
Chemical Exposure	Excellent	Excellent	Excellent	Excellent	Excellent
Water Resistance	Excellent	Excellent	Excellent	Excellent	Excellent
Solvent Exposure	Excellent	Excellent	Excellent	Excellent	Excellent
Acid Resistance	Excellent	Excellent	Excellent	Excellent	Excellent
UV Exposure	Moderate	Moderate	Excellent	Excellent	Excellent
Abrasion Resistance	Good	Good	Good	Good	Excellent
Smudge Resistance	Good	Good	Good	Good	Excellent
Overall Durability Rating	Good	Good	Good	Good	Excellent
Cost Requirement	Low	Low	Low	Low	Moderate
Application Surface	Semi-Conformable	Semi-Conformable	Semi-Conformable	Semi-Conformable	Rigid
Markets					
General Durable	✓	✓	✓	✓	✓
Wet Cell Battery	✓				
Chemical Container	✓		✓	✓	
Appliance/Nameplate	✓	✓	✓	✓	✓
Lawn & Garden	✓	✓	✓	✓	✓
Compliance Recognition					
UL 969		✓	✓	✓	✓
CSA C22.2 No. 015 (cUL)			✓	✓	✓
British Maritime 5609	✓		✓	✓	
Adhesive Information - Minimum Application Temperature & Service Range					
Minimum Application	+50°F	+50°F	+50°F	+50°F	+50°F
Service Range	-40°F to 275°F	-40°F to 200°F	-40°F to 257°F	-40°F to 200°F	-40°F to 302°F

MP690 Adhesive

- High Performance Acrylic Emulsion
- Excellent Moisture, Chemical, UV & Solvent Resistance
- High Peel, Tack & Shear to High and Low Surface Energy Substrates – Plastics, Metals and Coated/Painted Metals
- -40°F to 302°F Service Range
- 1 Mil Adhesive Coat Weight

Durable Films Product Offering:

- 1.0 Mil Clear - Gloss PET
- 2.0 Mil Bright, Matte, Brushed - Silver PET
- 2.0 Mil Reverse "Void" - Silver PET
- 3.0 Mil White TT BOPP
- Layflat™ liner option on white polyester
- 2.0 Mil White & Clear - Gloss PET
- 2.6 Mil White Labellyte
- 2.6 Mil White UV BOPP
- 3.4 Mil White Vinyl

All products available in Precise - 2,500' rolls.

FAD6914 2.0 Mil Clear Gloss PET	FCD6914 2.0 mil White Gloss PET	FDD6919N 2.0 mil White Matte PET	FED6914 2.0 Mil Bright Silver PET	FFD6914N 2.0 Mil Matte Silver PET	FGD6914N 2.0 Mil Brushed Silver PET	FJD6914 2.0 Mil Reverse Void Silver PET
2+ Years	2+ Years	2+ Years	2+ Years	2+ Years	2+ Years	2+ Years
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Moderate	Moderate	Moderate	Moderate	Moderate	High	High
Rigid	Rigid	Rigid	Rigid	Rigid	Rigid	Rigid
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓
✓	✓		✓	✓	✓	✓
✓	✓		✓	✓	✓	
	✓					
+50°F	+50°F	+50°F	+50°F	+50°F	+50°F	+50°F
-40°F to 302°F	-40°F to 302°F	-40°F to 302°F	-40°F to 302°F	-40°F to 302°F	-40°F to 302°F	-40°F to 302°F



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