



PERMACOLOR®
Overlaminates & Mounting Films

MACmark®
Marking Films

2020 | Application Guide

May | Marine

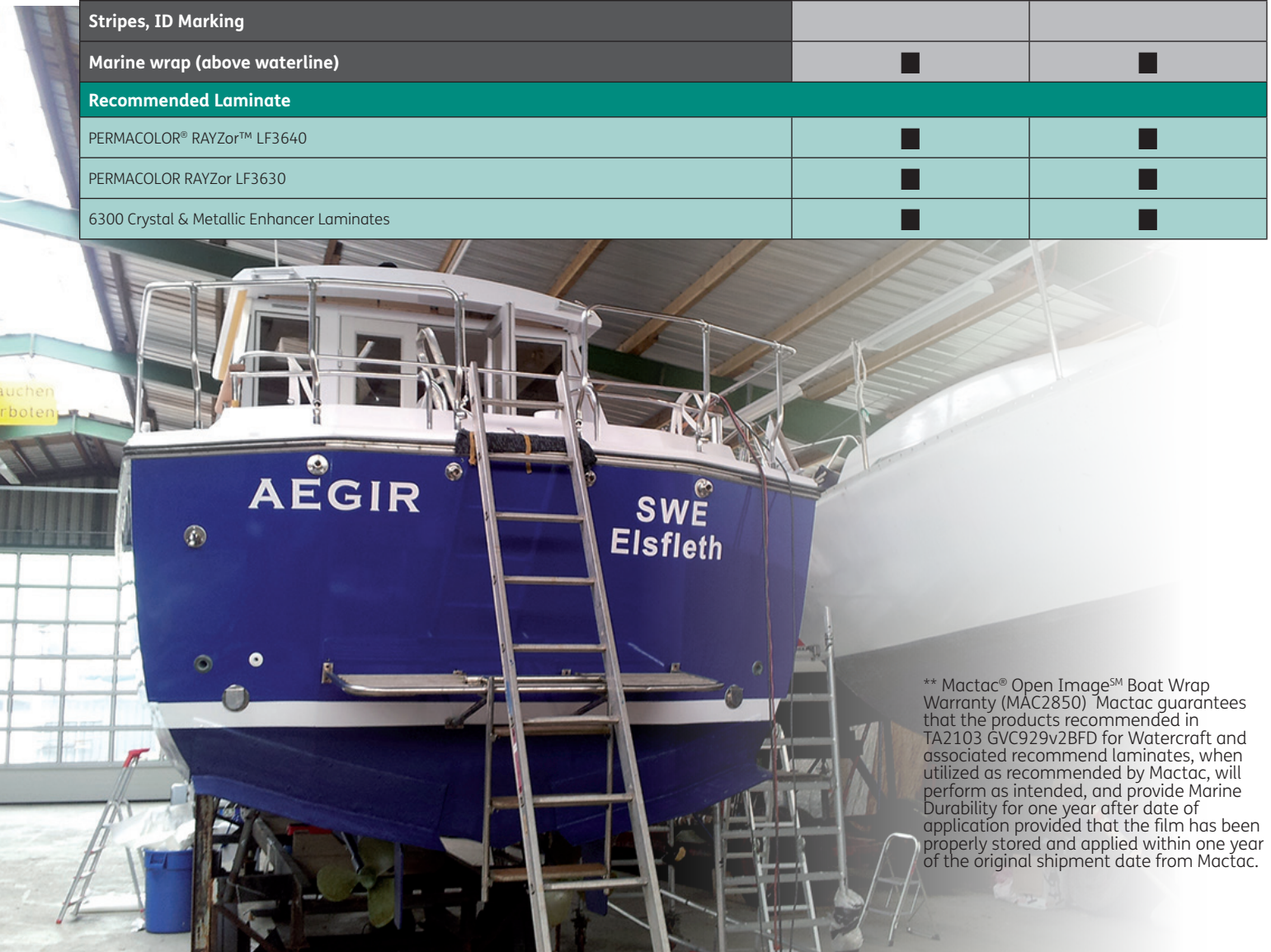
Set Sail with Unlimited Graphic Opportunities



mactac®
A LINTEC COMPANY

IMAGin® Ink Jet Media

Category	B-free® GRUV™ Ink Jet Media	
Product Code	GVC929v2BFD	GV729v2BFD
Face	Gloss White, Soft Cast PVC Film	Gloss White, Soft Calendered PVC Film
Thickness, Film and Adhesive	2.0 mil	2.1 mil
Adhesive	Air-egress, Permanent, Opaque Acrylic	Air-egress, Permanent, Opaque Acrylic
Liner	90# Polycoated Liner	80# Polycoated Liner
Width	54"	54"
Length	75' & 150'	150'
Unprinted Outdoor Durability	10 Year	7 Year
Marine Graphic Warranty	1 year **	
Minimum Application Temperature	50°F (+10°C)	50°F (-10°C)
Usage Temperature Range	-50° to 225°F (-48° to 107°C)	-4° to 160°F (-20°C to 70°C)
Applications		
Decals	■	■
Stripes, ID Marking		
Marine wrap (above waterline)	■	■
Recommended Laminate		
PERMACOLOR® RAYZor™ LF3640	■	■
PERMACOLOR RAYZor LF3630	■	■
6300 Crystal & Metallic Enhancer Laminates	■	■



** Mactac® Open ImageSM Boat Wrap Warranty (MAC2850) Mactac guarantees that the products recommended in TA2103 GVC929v2BFD for Watercraft and associated recommend laminates, when utilized as recommended by Mactac, will perform as intended, and provide Marine Durability for one year after date of application provided that the film has been properly stored and applied within one year of the original shipment date from Mactac.

MACmark® Marking Films

Category	6600 Series	9800 Pro Series	8300 Series	5700 Reflective
Face	Premium High-Gloss Cast Vinyl	Gloss or Matte Polymeric Calendared Vinyl	High Gloss or Matte Economy Calendared Vinyl	Reflective Polymeric Vinyl
Thickness, Film and Adhesive	2.0 mil	2.6 mil	2.8 mil	6.0 mil
Adhesive	Clear Permanent Solvent Acrylic	Permanent Solvent Acrylic	Permanent Solvent Acrylic	White High Strength Permanent Acrylic
Liner	78# White Kraft Liner	83# White Kraft Liner	83# White Kraft Liner	92# Polycoated Liner
Width	24", 48" Punched sizes: 15" and 30"	24", 48" Punched sizes: 15" and 30"	24", 48" Punched sizes: 15" and 30"	24", 48" Punched sizes: 15" and 30"
Unprinted Outdoor Durability	Up to 10 years	Up to eight years	Up to five years	Up to seven years
Minimum Application Temperature	40°F (+5°C)	45°F (+8°C)	40°F (+5°C)	50°F (+10°)
Usage Temperature Range	-40° to 194°F (-40° to 90°C)	-40° to 194°F (-40° to 90°C)	-40° to 194°F (-40° to 90°C)	-40° to 194°F (-40° to 90°C)
Applications				
Decals	■	■	■	■
Stripes, ID Marking	■	■	■	■
Marine	■	■	■	■



PERMACOLOR® Overlaminates

Category	RAYzor™		Enhancers	
Product Code	LF3640G	LF3630G	CY639800	CY639801
Product/Colors	Gloss Clear	Matte Clear	Silver Metallic	Brilliant Crystal
Face	Cast PVC Film	Cast PVC Film	Cast PVC film	Cast PVC film
Thickness, Film and Adhesive	1.5 mil	1.5 mil	3.0 mil	2.5 mil
Adhesive	Clear, Permanent Acrylic	Clear, Permanent Acrylic	Permanent, Clear Solvent Acrylic	Permanent, Clear Solvent Acrylic
Liner	50# Glassine Liner	50# Glassine Liner	78# Bleached White Kraft	78# Bleached White Kraft
Width	30”, 54”, 60”	54”, 60”	54”	54” 60”
Outdoor Durability	Up to 5 years	Up to 5 years	Up to 5 years	Up to 5 years
Minimum Application Temperature	40°F (4°C)		40°F (4°C)	
Usage Temperature Range	-50° to 225°F (-45° to 107°C)		-50° to 225°F (-45° to 107°C)	
Applications				
Decals, Stripes, Marking	■	■	■	■
Partial Wraps	■	■	■	■
Full Wraps	■	■	■	■
Marine	■	■	■	■

Mactac's Marine Graphics Warranty

Covers the use of products recommended in this brochure when following Mactac's printing and installation recommendations. All boat graphics will be warranted for one year. This covers: B•free® Gruv™ GVC929v2BFD; PERMACOLOR® RAYzor™ and Enhancer laminates for digital printing; MACmark textured series for flat to moderately curved surfaces; MACmark® marking films for decals, accents, stripes, ID markings and interior personalization. Reference Technical Assistance guides for correct application: *Overview for Watercraft MACmark* (TA2110); *Application Overview for Watercraft B•free® Series Bubble-Free Digital* (TA2103); and *B•free Gruv Digital Media* (TA2501). Boat wraps need to be registered with Mactac by filling out an *Inspection Report* (TA2501) prior to application. For more details reference MAC2850. All can be found at www.mactac.com/graphics.

Recommendations contained in this guide are believed to be accurate but do not constitute a warranty written or implied. Refer to Mactac® Performance Guides and Technical Bulletins prior to use. Visit www.mactac.com to download.

