

COLORPRINT® DYE SUBLIMATION

PRODUCT SPECIFICATIONS

ColorPrint® Dye Sublimated emblems are the perfect match for your highly detailed design. Using the sublimation process, designs are full color and the ideal photo finish image recreation for promotional products, branding, garments, hats, bags and more! Choose from 16 million colors to complete your vision. These emblems are economical, durable, removable, and reusable.



DIMENSIONS

Minimum Size:

1.0" x 1.75" (2.5 x 4.4cm)

Maximum Size:

10.5" x 16.5"



WASH CARE

Home Laundry

Industrial Laundry



BORDER/EDGE STYLES

Stitched Border

Laser Cut Border (No Border or Printed Border)

Merrowed border, a separately stitched over-lock edge. Merrow borders have a maximum width of **1/8"**.

Limitations:

The ability to sew a merrowed border onto an emblem is directly related to the emblem shape. Odd, irregular and intricately shaped emblems may not be suitable for merrow application.



LETTERING

The text within a design should not be less than **2mm in height (9pt font size)**. Smaller text may need to be altered.



FABRIC COLOR/THREADS

Fabric:

PennBrite® patented product that brings dye sublimated colors high definition effect.



BACKING TYPE

Heat Seal

Velcro

Pressure Sensitive (Stick-On)

Industrial (PennBond®)

Note: can be sewn-on as well

SHAPES THAT CAN BE MERROWED



SHAPES THAT CANNOT BE MERROWED



ssales@pennemblem.com



800-845-8028



www.pennemblem.com



800-775-7366

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ORDERING GUIDELINES

Artwork & Setup Fees:

An emailed sketch card or scan of your finished emblem is included with the order for no additional cost.

Order Quantities:

25

Order Process:

During the ordering process, the following information is required to proceed with your request:

- Emblem Type
- Design Colors
- Fabric Colors
- Border Colors
- Dimensions
- Backing Type
- Quantity
- Special Delivery Needs



ARTWORK/TURNAROUND

Accepted Graphic File Types:

.cdr, .ai, .eps, .pdf, .jpg, .png, .psd, .cpt, .tga, .tiff, .bmp, .gif

Accepted Embroidery File Types:

.dst, .emb, .pxf, .tbf, .dsb, .exp

Most orders will ship in **5-7** (Marrow) or **7-10** (Laser Cut/Stitched)

business days. Rush pricing and delivery is also available on certain products for quicker delivery.



PAYMENT METHODS

Visa, Mastercard, American Express, Discover, Wire/ACH Checks.

Note: If you choose to pay by check, and you do not have payment terms with us, we cannot process your order until we receive your check. This may not be the best method if the order is deadline driven. Please speak to your sales representative to discuss the order's urgency. If you are pre-paying for an order, you will receive an additional freight charge to your credit card after the order has shipped.

If you would like to be set up with payment terms, please contact Customer Service for assistance.



SUPPORT

For all questions, changes, and concerns, please contact Customer Service at 800-775-7366.

We are happy to help you to *always be on brand*, and to assist in showcasing your creation. For further product options and detail, please visit **pennemblem.com**.



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HEAT SEAL MACHINE APPLICATION



APPLICATION METHODS: SEW-ON, HEAT SEAL, OR PRESSURE SENSITIVE (STICK-ON)

The manner in which emblems can be attached to garments or other textile products relates directly to the *TYPE OF BACKING* used in the manufacturing process, the *EMBLEM SIZE*, and the *TYPE OF MATERIALS* that the emblems will be attached to. Almost all emblems can be sewn on, and when it comes to heat seal application, smaller emblems are easier to work with. The chart below outlines the application options relative to backing types.

BACKING TYPE	SEW-ON	HAND APPLY	HAND IRON	HEAT SEAL
VELCRO®	yes	yes	no	loop side only
STICK ON	possible	yes	no	no
INDUSTRIAL	yes	no	no	yes
LOW-MELT	yes	no	no	yes

HEAT SEAL TIPS:

THICKER FABRICS:

May require longer cycle times beyond the ranges.

TREATED FABRICS:

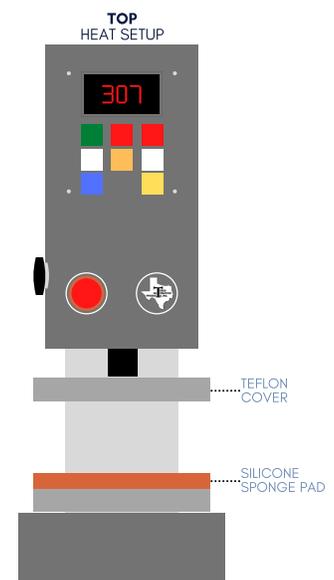
If finished with coatings, sizing, or repellants, may not allow for proper heat seal bonding.

SPECIAL FABRICS:

Leather, Suede, Nylon, Synthetics, Nylon-Shell, Interlinings, Rubberized Coatings, or Reflective Fabrics may react poorly to heat seal temperatures depending on thickness, weave, texture, and weight. It is recommended that these fabrics be tested first, with possible heat seal time and temperature adjustments. In many cases, it may be better to have emblems sewn on to these types of materials.

HEAT SEAL SETTINGS				
	TOP (SPONGE)	BOTTOM (TEFLON)	PRESSURE	CYCLE TIME
INDUSTRIAL	405°F (207°C)	405°F (207°C)	60-80 PSI ON GAUGE	12-14 SECONDS
LOW-MELT	340°F (171°C)	340°F (171°C)	60-80 PSI ON GAUGE	12-14 SECONDS

PRESSURE SETTINGS (BASED ON PLATEN SIZE)					
TEXAS AUTOMATION HEAT SEAL MACHINE 3" CYLINDER			NATMAR HEAT SEAL MACHINE 4" CYLINDER		
2" x 4"	40-60 PSI on gauge		2" x 4"	40-60 PSI on gauge	
3" x 5"	55-60 PSI on gauge		3" x 5"	55-60 PSI on gauge	
4" x 6"	60-80 PSI on gauge		4" x 6"	60-80 PSI on gauge	
3.5" x 5"	60-80 PSI on gauge		6" x 8"	75-95 PSI on gauge	



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