



# LowProfile™ Embroidered Text Emblems [ETL]

Technical Specifications  
rev. 2011-02a

## Design / Emblem Dimensions:

LowProfile™ Name Crests are currently available in 1 standard size ~ 3/4" x 3" rectangle.



## Thread Type, Fabric Type & Colours:

LowProfile™ Name Crests are manufactured with fully embroidered backgrounds using 100% polyester Madeira Polyneon™ thread on top of 100% polyester twill fabric. The thread colours have been carefully matched to a set list of complimentary fabric colours. The chart below lists these colour combinations, which can be found on the [Emblemtek Embroidered Emblem Thread Chart](#) and the [Emblemtek Embroidered Emblem Fabric Chart](#) for colour referencing purposes.

Lavender Red 001 on Lavender Red 144	Red 032 on Red 141	Oriental Blue 216 on Petrol Blue 118	Ultraviolet 538 on Ultraviolet 152
Mushroom 002 on Pebble Tan 145	Wine 034 on Maroon 110	Charcoal Grey 237 on Charcoal Grey 112	Chino 539 on Dk. Tan 194
Cream 004 on Cream 143	Lt. Gold 040 on Lemon 106	Lt. Grey 318 on Lt. Grey 202	Forest Green 540 on Pine Green 193
Gold 005 on Goldenrod 127	Dk. Kelly Green 047 on Kelly Green 108	Hunter Green 340 on Hunter Green 400	Gun Metal Grey 541 on Slate Blue 189
Army Green 011 on Army Green 151	Powder Blue 059 on Lt. Blue 139	Neon Orange 503 on Neon Orange 161	Cloudy Jade 542 on Lt. Green 125
Dk. Brown 012 on Dk. Brown 103	Storm Grey 060 on Graphite Grey 114	Sapphire 520 on Ford Blue 135	Mocha 543 on Leather Brown 128
Black 016 on Black 101	Yellow 074 on Neon Yellow 160	Steel Blue 521 on Postman Blue 104	Blackberry 544 on Purple 140
Acme Blue 022 on Nassau Blue 132	Warm Red 082 on Burnt Orange 131	Willow Green 524 on Lagoon Green 119	Cappuccino 545 on Khaki 150
Royal Blue 023 on Royal Blue 105	Pastoral Green 090 on Lime 130	Tropical Orange 534 on Seville Orange 109	Spruce Green 546 on Spruce Green 107
Dk. Navy 025 on Navy 102	Teal 091 on Teal 120	Tiger Eye 535 on Bronze 117	HiVis Yellow 562 on HiVis Yellow 162
White 028 on White 100	Cinder Grey 097 on Sterling Grey 116	Maize 536 on Lt. Yellow/Maize 136	HiVis Pink 563 on HiVis Pink 163
Lt. Pink 030 on Prissy Pink 126	Foxy Red 201 on Poppy Red 111	Fountain Green 537 on Aqua 123	

## Font Styles & Text Colours:

2 options. Script • Block

LowProfile™ Name Crests can be manufactured with either a standard **script** or a standard **block** font – only one font per crest. Text colours can be chosen from any of the

120+ standard colours, which can be found on the [Emblemtek Embroidered Emblem Thread Chart](#). Choose **only one** text colour per crest.



## Border Styles / Backing Types:

LowProfile™ Name Crests are finished with a **stitched border**, which matches the background thread colour used. LowProfile™ Name Crests are available with high-melt glue backing **only**.

## Order Quantities, Pricing, Delivery & Samples:

The minimum order quantity for LowProfile™ Name Crests is 1 piece. Pricing is fixed and charted. Customers can simply order one crest in lieu of ordering pre-production samples, which are technically not available for this type of emblem. See price guide for complete pricing and delivery details.

## Text / Name List File Types:

If it is possible to send Emblemtek a list of names or text details, this will make the ordering and production processes more efficient and will help to ensure a greater level of spelling accuracy. Details can be provided in text or spreadsheet file formats based on the chart below.

### File Types:

- Microsoft Excel (.xls / .xlsx / .csv) **pref**
- Microsoft Word (.doc / .docx / .rtf)
- Web Page (.htm / .html)

### File Types:

- Rich Text Format (.rtf)
- Plain Text (.txt)
- Microsoft Outlook (.msg)

## Application Methods:

**Sew-on or heat seal.** The manner in which embroidered emblems can be attached to garments or other textile products relates directly to the type of backing used in the manufacturing process, the size of the emblems and the types 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 application	hand application	hand iron application	heat seal application	temperature	pressure	cycle time
hi-melt glue	yes	no	no	yes	385°F to 405°F (196°C to 207°C)	80 PSI *	15 to 20 seconds

\* These recommended settings are based on manually operated or air operated heat seal machines with top iron heat only.

## Heat Seal Notes & Tips:

- Emblems should be heat sealed to the garment using a complete cycle time on both the front side and the back side of the garment and emblem. Emblems with heavier embroidery may require longer heat seal application cycle times beyond the ranges noted above.
- **Thicker fabrics** may require longer cycle times beyond the ranges noted above.
- **Covering the emblem** with a sheet of Teflon® or paper towel prior to the heat seal cycle may help to reduce a “crushing” affect, and may help to protect the garment from scorching.
- **White materials** (knits or blends) may scorch if heat seal temperatures are too high. It is recommended that fabrics be tested first.
- **Pique knit and fleece** materials may be sensitive to heat and pressure, with the possibility of being crushed.
- **Rib-knit and stretch fabrics** may pucker or distort when emblems are heat sealed to them. It is recommended that these fabrics be tested first. For items such as toques and scarves, it is recommended to have emblems sewn on rather than heat sealed.
- **Terry knit materials** such as towels and bathrobes may not provide a smooth enough surface for proper heat seal application. It is recommended that emblems be sewn on to these types of products.
- **Treated fabrics** finished with coatings, sizing or repellants may not allow for proper heat seal bonding.
- Items made with leather, suede, nylon, synthetics, nylon-shell, interlinings, rubberized coatings and reflective fabrics, such as jackets and luggage, 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 materials.
- **Caps** can sometimes be difficult to work with for heat seal applications. To achieve a higher potential for heat seal application success on caps, it is recommended that emblems not be greater than 2-1/4” in height and 4” in width.

## Washing & Drying Guidelines:

backing type	wash type			
	industrial*	commercial	dry clean	home
hi-melt glue	sew on / heat seal	sew on / heat seal	sew on / heat seal	sew on / heat seal

\*It is recommended not to expose heat sealed emblems to wash conditions exceeding 200°F (95°C).

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