

# UltraTranz™ Garment & Textile Transfers

TekSpec®  
Product technical details



## PRODUCT DETAILS

### Transfer Dimensions:

- **Minimum** transfer size is **0.75" x 0.75"** (19mm x 19mm).
- **Maximum** transfer size is **11.70" x 16.50"** (297mm x 419mm).
- **Maximum** transfer size (Headwear) is **2.80" x 4.70"** (71mm x 119mm).

### Design Colours:

UltraTranz™ transfers are printed direct to film using a seven colour digital printing process. This allows for an almost unlimited range of solid, process and gradient colours. Unless modified, the colours supplied within the artwork will be reproduced as is. The exception to this would be UltraTranz™ Reflective transfers, which are produced with silver, retro-reflective inks.

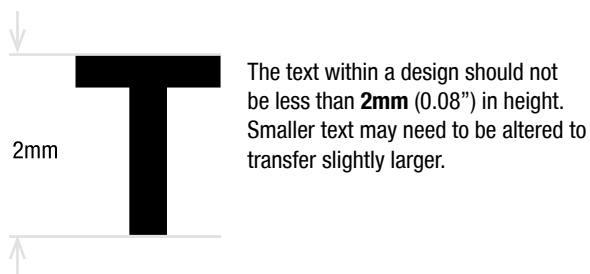
### Metallic Option:

From a pre-set spectrum of 28 matte metallic colours, the formulated process inks can be added as single or multiple spot-colour elements to any design.

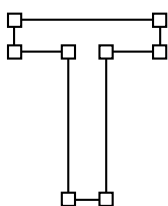


## ARTWORK SPECIFICATIONS

### Design Lettering Dimensions:

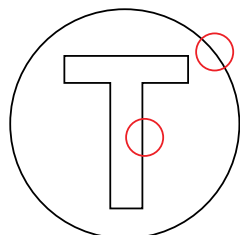


The text within a design should not be less than **2mm** (0.08") in height. Smaller text may need to be altered to transfer slightly larger.



Editable text in the file may not come out correctly. To guarantee that the typography comes out exactly the way it was submitted, it is recommended to convert all the text to outlines.

### Lines & Fine Details:



The free-floating lines weight should be minimum is **1pt** (0.35mm) and all outlines should be converted to objects.

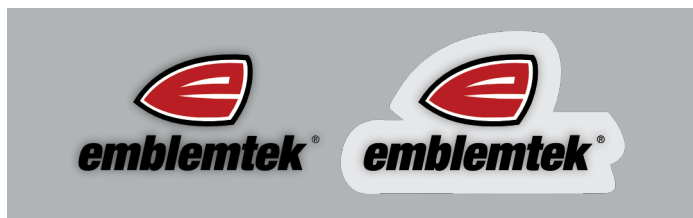


**0.1mm 0.2mm**

The small elements thickness should be minimum **0.2mm**.

### Design Opacity:

All semi-transparent effects, such as glows, fades and shadows, must be encased by a solid object with hard edges.



### Transparent background:

A transparent background in the art file ensures that everything that's supposed to be clear remains unprinted, and is not filled in with white (or another background color). If there is a transparent background, the file should be saved a PNG or PSD file.

A JPG file is not a suitable file format if the art has any transparent sections, as these sections will be printed white. However, JPGs file are accepted if the design has no transparent parts.



**Vector Specifics:**

Programs: Adobe Illustrator, Affinity Designer, Silhouette Studio, Corell Draw and others.

- CMYK strongly recommended (RGB will be converted)
- Optional: Pantone (PMS colorbook codes only)
- Convert fonts to outlines
- Convert strokes to objects
- Embed any linked images
- Save as PDF (also acceptable: .ai, .eps)

**Raster Specifics:**

Programs: Adobe Photoshop, Adobe Fresco, Affinity Photo, GIMP and others.

- CMYK strongly recommended (RGB will be converted)
- 300-900dpi recommended (or send the best you have)
- Use a transparent background for free-floating art
- No fades or glows on free-floating art (Use clipping path to make sharp edges)
- Save as PDF (also acceptable: .psd, .tiff, .eps, .png, .jpg)

**Accepted Design / Artwork File Types (Supported File Types)**

UltraTranz™ transfers are digitally printed using compiled PDF files, where design dimensions, objects, and colours are properly formatted. To avoid delays and possible charges to set-up files for print, we encourage that artwork files are provided ready to print.

**Supported File Types**



APPLICATION GUIDELINES

**Application Methods**

**Heat seal.** UltraTranz™ transfers are heat seal applied to garments, headwear, and types of textile products, using manually operated or compressed air supplied heat seal machines. The following table outlines the ideal heat seal application settings for each transfer type. We encourage testing application settings for various types of textiles.

TRANSFER TYPE	HEAT SEAL APPLICATION							
	Garment / Textile Type	Temp Range	Manual Pressure	Air Pressure (PSI)	Pre-Press Time (seconds)	Press Time (seconds)	Peel Type	Post Press Time (seconds)
Wearable	Fleece / Cottons / Blends	320°F	8 - 9	40 - 50	8 - 10	12 - 15	Hot	2 - 4
	T-Shirt / Polo / 100% Polyester	290°F	7 - 8	35 - 40	none	8 - 10	Hot	2 - 4
	T-Shirt / Cottons / Blends	320°F	8 - 9	40 - 50	5 - 8	12 - 15	Hot	2 - 4
Dye Blocker	100% Polyester / Sublimation	290°F	7 - 8	35 - 40	none	8 - 10	Hot	2
Softshell Blocker	Jackets / 100% Polyester	290°F	7 - 8	35 - 40	none	8 - 10	Hot	2
Headwear	Cotton	320°F	8 - 9	n/a	3	8 - 12	Hot	2
	Polyester	290°F	8 - 9	n/a	3	8 - 12	Hot	2
Promo	Cotton Tote Bags	320°F	7 - 8	35 - 40	5 - 8	12 - 15	Hot	2
	Umbrellas / Nylon	290°F	6 - 7	30 - 35	4 - 6	6 - 8	Hot	2
Low Melt	Polyester & Sensitive Fabrics	260°F - 270°F	8 - 9	40 - 50	5 - 8	12 - 15	Hot	2 - 4
Reflective	Vests & Jackets	290°F - 320°F	8 - 9	40 - 50	5 - 8	12 - 15	Cold	2 - 4
	Cottons & Blends	290°F - 320°F	8 - 9	40 - 50	5 - 8	12 - 15	Cold	2 - 4

## ORDERING GUIDELINES

### Artwork & Set-up Fees:

Customers are encouraged to provide print-ready artwork files based on the specifications herein. If print-ready artwork cannot be provided, Emblemtek can assist with artwork development for a small, one-time fee.

At all times, there are no printing set-up fees.

### Order Quantities:

**Minimum 20.** Minimum 20 per transfer design and type.

### Pre-production Samples:

**Available \$.** Pre-production samples are available at the lowest quantity break (20 units).

### Pricing:

**Quoted.** UltraTranz™ transfers are custom quoted.

### Order Details:

**Order specifics.** During the artwork, quotation and ordering processes, there are specific details that we require to proceed such as:

Transfer Type • Transfer Dimensions • Specific Colour Requirements •  
Quantity Required • Special Delivery Needs



To request a Sample Kit or a Quote, please visit

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