



Last Updated Date: 03/01/19



**Description:**

LabelTac 4 and Pro Model Label Supply is an indoor/outdoor, high gloss marking film with a pressure sensitive adhesive. It is designed for use in roll form using the LabelTac 4 and Pro Model Industrial Thermal-Transfer Printers.

**Use:**

LabelTac 4 and Pro Model Vinyl Label Supply is a versatile label supply that can be used in most standard labeling applications. I.E. Warehouse rack marking and barcoding, equipment warning labels and safety signs, wayfinding, electrical marking, pipe labeling, 5S Visual Workplace, etc.

<b>Material Type:</b>	Vinyl film
<b>Material Colors:</b>	Yellow, white, black, red, green, orange, blue, gray, purple, brown, clear, pink, gold, silver gray, light blue, high visibility pink, high visibility yellow.
<b>Pantone Color:</b>	Approximate Pantones available at <a href="http://www.creativesafety.com">www.creativesafety.com</a>
<b>Gloss (ASTM D 523):</b>	60 ° 50 Gardner Units minimum.
<b>Thickness (PSTC-133):</b>	0.0025 in.(0.06 mm)
<b>Adhesive:</b>	Acrylic PSA (See Chart Below)
<b>Chemical Resistance:</b>	(See Chart Below)
<b>Service Temperature:</b>	-50°F to 200°F (-46°C to 93°C)
<b>Minimum Application Temp:</b>	40°F (4°C)



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**Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A):**

CS-10 wheels, 500 g wts.  
The printed legend withstands up to 250 cycles.

**Low Halide Content:**

Contains < 19 ppm of the following:  
Fluoride, Chloride, and Bromide.

**Average Outdoor Durability:**

5 years, indoor much longer.

**Shelf Life:**

1 Year if stored in its original packaging in an environment below 80°F (27°C) and 60% RH.

**Adhesive Properties:**

**Adhesion to Steel (PSTC-101)**

15 Minute Dwell (Avg.) – 80 oz/in (87.5 N/100mm)  
Ultimate Dwell (72 Hrs.) 85 oz/in (93 N/100mm)

**Tack (ASTM D 2979) (Avg) 1100 g (10.5 N)**

**Adhesion to Powder Coated Metal (PSTC-101)**

15 Minute Dwell (Avg.) 60 oz/in (65 N/100mm)  
Ultimate Dwell (72 Hrs.) 75 oz/in (82 N/100mm)

**Adhesion to Polypropylene (PSTC-101)**

15 Minute Dwell (Avg) 60oz/in (65 N/100mm)  
Ultimate Dwell (72 Hrs.) (Avg) 69 oz/in (75 N/100mm)

**Adhesion to Textured ABS (PSTC-101)**

15 Minute Dwell (Avg) 37 oz/in (40 N/100mm)  
Ultimate Dwell (72 Hrs.) (Avg) 40 oz/in (44 N/100mm)

**Adhesion to Glass (PSTC-101)**

15 Minute Dwell (Avg) 82 oz/in (90 N/100mm)  
Ultimate Dwell (72 Hrs.) (Avg) 88 oz/in (96 N/100mm)  
Samples printed using the standard LabelTac LP403 ribbon on the LabelTac 4 PRO Printer. Samples tested at room temperature.

Compliant with labeling standards Mil-Prf-61002 and Mil-Std-129



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**Chemical Resistance Chart:**

REAGENT	7 DAY IMMERSION	DIP TEST	RUB TEST
30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE
30% Hydrochloric Acid	NE	NE	NE
10% Hydrochloric Acid	NE	NE	NE
Glacial Acetic Acid	F	F	NE
5% Acetic Acid	NE	NE	NE
50% Sodium Hydroxide	NE	NE	NE
10% Sodium Hydroxide	F	NE	NE
10 % Ammonia	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	NE
Methyl Ethyl Ketone Acetone	F	F	F
Toluene	F	F	F
Methanol	F	F	F
Isopropyl Alcohol	F	NE	NE
Heptane	F	NE	NE
Mineral Spirits	F	F	NE
Turpentine	F	F	NE
Kerosene	F	F	NE
Diesel Fuel	NE	NE	NE
Gasoline	F	F	F
ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE
10% Sodium Chloride	NE	NE	NE
Alconox®	NE	NE	NE
Deionized Water	NE	NE	NE

NE = No Effect NT= Not Tested F= Failed (affected Sample)

**7 Day Immersion:** Immersed in reagent for 7 days.

**Dip Test:** Five 10 minute dips in reagent with 30 minute recovery.

**Rub Test:** Rubbed sample for 1 minute with swab soaked in reagent.

Note – All values shown are averages and should not be used for specification purposes. Test data and test results contained in this document are for general information only and shall not be relied upon by Creative Safety Supply customers for designs and specifications or be relied on as meeting specified performance criteria. Product compliance information is based upon information provided by suppliers of the raw materials used by Creative Safety Supply to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Creative Safety Supply makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.