



# PERFORMANCE GUIDE

Represents Typical Values Only

www.Mactac.com

## DTW7802

Revised: 3/2025 KSM

## FSC® Topcoated DT CHILL AT™ 2.4 SCK

### Face Description

A **medium sensitivity** top-coated direct thermal paper with exceptional environmental resistance to plasticizers and for use in standard speed thermal printers. Optimal wavelength range under 660nm. FSC Certified. Certificate Number: SCS-COC-007635

| Test Property                        | Typical Values | Test Method           |
|--------------------------------------|----------------|-----------------------|
| Basis Weight<br>25X38                | 50 # Avg       | TAPPI T410            |
| Caliper, inches                      | 0.0032 +/- 10% | TAPPI T411            |
| Tear, grams                          | 50 MD 55 CD    | TAPPI-414             |
| Tensile, lbs/in                      | 35MD 14 CD     | TAPPI-494             |
| Brightness %                         | 90% Avg.       | TAPPI T-452           |
| Image Color                          | Black          |                       |
| Initial Activation Temp (O.D.=0.2)   |                | 198 ± 9°F (92 ± 5°C)  |
| Effective Activation Temp (O.D.=0.8) |                | 234 ± 9°F (112 ± 5°C) |
| Optimum Activation Temp (O.D.=1.55)  |                | 275 ± 9°F (135 ± 5°C) |
| Resistance Heat & Humidity           |                | Excellent             |
| Resistance to Plasticizers           |                | Good                  |
| Resistance to Heat                   |                | Excellent             |
| 15 Hour Water Immersion              |                | Excellent             |

### Adhesive Description CHILL AT™

Chill is an All Temp permanent, rubber-based adhesive that performs well in normal to freezer temperature applications. Chill has excellent tack and ultimate adhesion to a variety of surfaces including polystyrene, polypropylene, polyethylene, paper and corrugate. Suitable for cold, damp labeling applications.

| Test Property   | Typical Values                 | Test Method                       |
|---|--------------------------------|-----------------------------------|
| Caliper, inches   | 0.0007 +/- 10%                 |                                   |
| Min Application   | -10°F (-23.33°C)               |                                   |
| Service range   | -65 to 150°F (-54°C to 65.6°C) |                                   |
| Average Peel Adhesion Stainless Steel<br>30 minutes applied/90° angle | 2.6/lbs/inch                   | PSTC-101/Method F<br>MACTac CTM54 |
| Loop Tack g/1"  | 4.1 lbs/sq. inch               | PSTC-16/Method A<br>MACTac CTM25  |

When comparing values, keep in mind, other suppliers may use different testing methods.

### Liner Description

A semi-bleached, super calendared kraft liner excellent for die cutting and stripping. The liner release system is designed specifically for label dispensing. Primarily for roll-to-roll applications.

| Test Property | Typical Values | Test Method |
|---------------|----------------|-------------|
| Caliper       | 0.0024 +/- 10% | TAPPI T411  |
| Basis Weight  | 40 +/- 10%     | TAPPI T410  |

### Applications

Used for barcode and human readable labels in deli weigh scale, bakery label, or short term shipping label applications requiring more environmental resistance to plasticizers, heat, and heat and humidity and a cold temperature adhesive. Recommended for use in standard speed thermal printers.

### Shelf Life

One year when stored at 72°F and 50% RH. For more about Direct Thermal Storage, see the Technical Bulletin for Direct Thermal Storage at [www.mactac.com](http://www.mactac.com).

**Note:** The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, or regulatory compliances, please contact your MACTac sales representative to discuss your requirements for recommendations. If this is a printed Performance Guide, it is an uncontrolled document. Please check the MACTac website for the latest, most up-to-date version at [www.mactac.com](http://www.mactac.com)

CALL 1-800-548-3456 for additional product information

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