

# Product Specifications

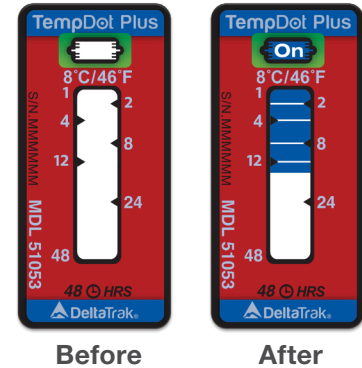
## TempDot Plus Time-Temperature Label for Ascending Temperature



<b>Threshold Temp</b>	8°C/ 46°F
<b>Stop Temp</b>	6°C/ 43°F
<b>Cumulative Temp Exposure in Hours</b>	1, 2, 4, 8, 12, 24, 48
<b>Temperature Accuracy</b>	± 1°C /2°F
<b>Time Accuracy</b>	± 15% in time under isothermal conditions
<b>Chemical Indicator</b>	Blue liquid chemical encapsulated in a blister, Food Chemicals Codex, FDA approved (Title 21), GRAS (Generally Recognized As Safe)
<b>Label Material</b>	Polymeric assembly multilayer, aluminium-plastic laminate, non-toxic, latex & PVC free
<b>Label Size</b>	1.58"L x 0.75" H x 0.02" Thick (40mm L x 19mm H x 0.5mm Thick)
<b>Start Button</b>	Blister ~0.1" H ( ~2.5mm H)
<b>Activation</b>	Pressure with finger, in environment above threshold temperature
<b>Application</b>	Pressure sensitive adhesive backing. Apply to clean, dry surface.
<b>Storage (un-activated)</b>	Ambient room temperature, cool, dark place, away from direct heat source and sunlight. Recommended 72°F(22°C) at 20-80% RH
<b>Shelf Life</b>	2 years when stored as recommended
<b>Moisture Resistance</b>	Splashproof. Not suitable for immersion in water

**Model 51053**  
8°C/46°F

- Low cost label detects ascending temperature excursions
- Serial number on each label for traceability
- Irreversible, single-use time/temperature indicator
- Indicates cumulative exposure above temperature threshold in Degree Hours



### How to Use:

The TempDot Plus provides an irreversible visual alert once the temperature ascends above the defined threshold value of the label.

- 1) Activation of the label must occur above 8°C/46°F. Squeeze the blister on the indicator to activate. Note: if the room temperature is not above 8°C/46°F, the TempDot must be heated above 8°C/46°F.
- 2) Once the label is activated, the “ON” window will be completely filled with colored dye indicating the label is active. Note: all of the dye in the START button must be squeezed out of the blister to fully activate the label. Labels that are not immediately used after activation need to be stored below the product stop temperature to prevent false indication of temperature abuse.
- 3) After activation, place the label into an environment that is at or below 6°C/43°F for a minimum of 2 hours.
- 4) Remove the adhesive liner from the back of the label and adhere it to the product. Note: the product to be monitored must already be below the 8°C/46°F.

DeltaTrak manufactures products under an ISO 9001:2008 registered quality management system

SS 51053 17E1

