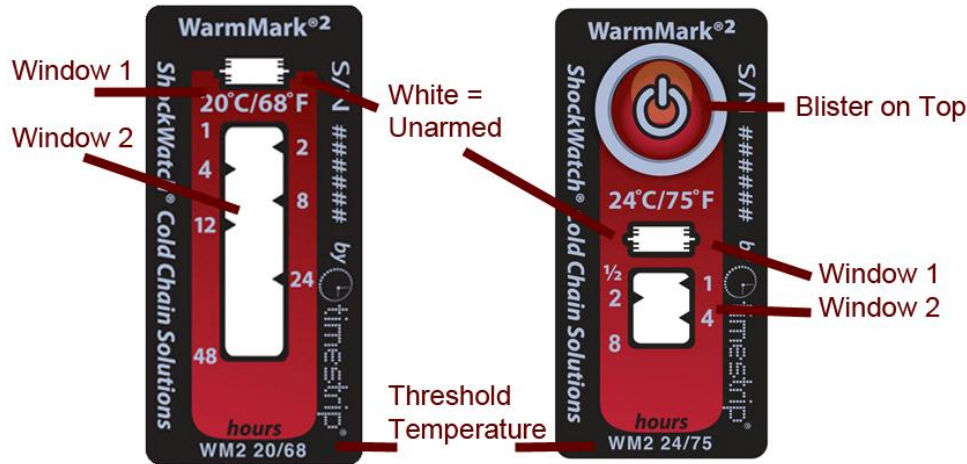


How to Use the WarmMark®2

This product is designed to visually show when a temperature breach has occurred. WarmMark indicators are completely inert prior to activation and the two windows on the indicator should be white. If the windows are blue, please take appropriate action as dictated by company or federal guidelines.



Blister location varies between top and bottom based on the run out length of the WarmMark2. Longer run out times require the blister to be located on the bottom.

Activation & Use:

1. The WarmMark2 must be preconditioned at a temperature higher than the threshold to be successfully activated.
2. Firmly squeeze the blister on the indicator until it is completely flat. Note; failure to squeeze all of the material out of the blister will affect run out accuracy at longer time periods.
3. Once armed, %N+ will appear in the first window.
4. Within 5 minutes of activation, place the WarmMark2 below the STOP temperature of the device for a minimum of one hour. See Table 1 for WarmMark2 indicator STOP temperatures.
5. When the product to be monitored is also below the STOP temperature of the indicator, the WarmMark can be applied directly to the product by removing the adhesive liner from the back.

Table 1: Stop Temperatures

Threshold Temp	Stop Temp
-20°C / -4°F	-25°C / -13°F
-14°C / 7°F	-20°C / -4°F
0°C / 32°F	-7°C / 19°F
5°C / 41°F	0°C / 32°F
8°C / 46°F	6°C / 43°F
10°C / 50°F	8°C / 46°F
20°C / 68°F	18°C / 64°F
24°C / 75°F	18°C / 64°F
30°C / 86°F	25°C / 77°F
38°C / 100°F	34°C / 93°F

The temperature at which run-time advancement is stopped.

Interpreting the Results:

When the WarmMark2 is exposed to conditions above the indicator temperature threshold, a blue front will appear in the run-out window. If exposed to temperatures 2°C above the temperature

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WarmMark2 Activation Instructions

threshold of the device, the runout will be in accordance with the time markers on the indicator. If the temperature is greater than 2° C above the temperature threshold of the device, the runout will occur faster. The time markers on the indicator indicate the longest period of time the product being monitored could have been exposed to temperatures above the threshold.

Storage Conditions:

In order to maximize product performance, the WarmMark2 should be stored in a cool dark place. Recommended storage is 22°C / 72°F at 20 . 80% RH.

How to Mount:

Temperature indicators are best suited for monitoring product or the controlled environment of the product.

WarmMark2 ascending temperature indicators are best used when mounted directly to the product being monitored or when placed inside the product shipper. Indicators should not be placed directly on gel packs, phase change materials, etc. as this will result in measuring the temperature of the packaging material components instead of the temperature of the product or environment.

The WarmMark2 temperature indicators can also be mounted on external packaging to monitor ambient temperature conditions.

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