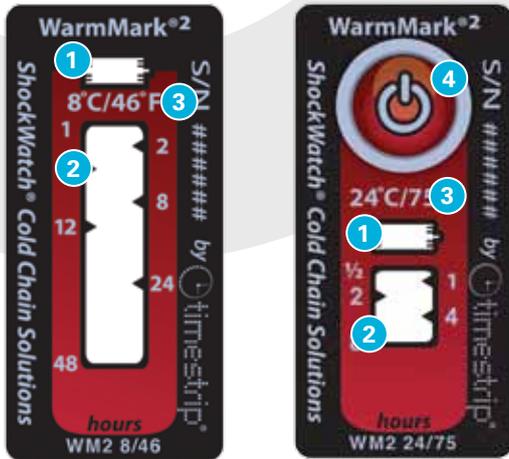


HOW TO USE THE WARMMARK 2

The WarmMark² is designed to visually show when a temperature breach has occurred allowing users to take appropriate actions according to the company or industry. The indicators are completely inert prior to activation and the two windows on the indicator should be white.



1. Arming window (White = Unarmed)
2. Breach window
3. Temperature threshold
4. Blister on top

(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.)

Arming and Use:

1. Prior to arming, the WarmMark² must be in an environment warmer than the activation threshold temperature of the indicator. If the threshold temperature of the WarmMark² is above the ambient temperature, the WarmMark² must be heated to a temperature above the threshold. If this step is not followed, it will not be possible to arm the indicator.
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, "ON" will appear in the first window.
4. Within 5 minutes of activation, place the WarmMark² below the STOP temperature of the device. See Table 1 for Warm Mark 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

Reading the WarmMark² and Interpreting the Results:

When the WarmMark² is exposed to conditions above the indicator's temperature threshold, a blue dye will appear in the breach window.

If exposed to temperatures +2°C above the temperature threshold of the indicator, the dye run-out will be in accordance with the time markers on the indicator. If the product is exposed to temperatures greater than +2°C above the indicator's threshold temperature, the dye will run out faster.

The dye run-out is irreversible but will stop progressing through the breach window each time the product is returned to the stop temperature as outlined in Table 1.

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.	

For more information please email sales@the-imcgroup.com or call +44 (0) 1462 688070.