

News for immediate release

RE: Cold Weather Alert – Temperature Indicator Label

As most of you are aware, cold weather can have adverse effects on aerosol canister adhesives. These products can be used after returning temperature inside the canister to an “optimal” range, which is why they are categorized as ***Prevent From Freezing*** or ***Avoid Freezing***.

But how do product users measure temperature *inside* a canister? With ITW TACC’s patented ***Temperature Indicator Label***, all mid-size and large returnable aerosol adhesive canisters produced by ITW TACC between November and March carry this special label. They are bright orange in color, easy to use and easy to read. [Temperature Label Instructions](#) explain where to find and how to read the ***Temperature Indicator Label***. These instructions can be found on our web site under the flashing **WARNING: COLD WEATHER ALERT** button at the bottom of the home page.

One reason aerosols are affected by cold temperatures is its propellant. This *hydrocarbon propellant*—a liquefied compressed gas—can condense or thicken at colder temperatures, changing the ratio of adhesive solution and propellant being expelled. When this happens, spray pattern and consequently adhesive performance are adversely affected. Spray patterns affected by temperature variations range from slight spitting to streaming liquid, depending on degree and time of exposure to cold. A normal pattern will typically spray out “web-like” onto the surface.

Taking the following precautions can help eliminate potential problems:

1. Store canisters and cans in a controlled environment between 60°F and 80°F.
2. Keep canisters off cold concrete floors and away from outside walls.
3. Allow both laminates and wood substrates to reach both moisture and temperature equilibrium for shop conditions. For best results, adhesive and materials to be bonded should be between 60 - 80F.
4. If temperature is below 60°F, allow additional time for solvents and propellant to flash off.

Should the propellant condense or thicken and above-mentioned symptoms are recognized, the problem can be solved by shaking aerosol cans vigorously until thawed or moving cans and canisters to areas heated above 70°F until thawed. Once the containers and product return to a minimum of 70°F, the products will perform normally.

Please pass this information along to end user customers. If you have any questions or need additional information, please contact ITW TACC Customer Service at 1-800-503-6991 or info@itwtacc.com.