

CryoCan Factsheet

Product Overview

CryoCan: A water-based, eco-friendly radiative cooling spray paint designed for smaller projects and touch-ups on CryoPaint applications. Powered by the advanced SprayMax® system, CryoCan delivers professional-grade results. Utilizing Passive Daytime Radiative Cooling (PDRC) technology, CryoCan lowers surface temperatures by up to 15 °F below ambient air temperature, even in direct sunlight. The spray can format provides a convenient and portable cooling solution for various applications.

Recommended Use Cases

- **IoT Equipment:** Ideal for cooling outdoor electronics and devices, reducing the thermal load on critical components.
- **Hard Hats and Protective Gear:** Provides heat relief for workers in direct sunlight by cooling helmets and other sky-facing surfaces.
- **Home Projects:** Useful for miscellaneous household tasks such as cooling garden sheds, small outdoor furniture, or patio umbrellas.
- **Touch-Ups:** Perfect for maintaining and refreshing existing CryoPaint layers on vehicles, small roofs, and more, ensuring continued cooling performance.

Coverage & Application

- **Coverage:** One 3.5 oz can of CryoCan covers approximately 3 square feet at full cooling efficiency. Apply 1 oz per square foot for maximum cooling power. Adjust the amount for partial cooling effects as needed.
- **Application:**
 - **Spray Rate:** CryoCan sprays at **0.0146 oz per second**. It reaches **1 oz** at 1 minute 9 seconds, **2 oz** at 2 minutes 17 seconds, and **3 oz** at 3 minutes 26 seconds.
 - **Technique:** Use continuous, smooth movements while spraying. Hold the can 6-8 inches (15-20 cm) from the surface and spray evenly across the area. Spray for approximately **30 seconds per square foot per layer** for full coverage. Apply one or two layers, depending on the desired cooling performance, and allow proper drying time between coats.
 - **Clearing the Nozzle:** When finished, turn the can upside down and spray until only air comes out to clear the nozzle and prevent clogging for future use.
 - **Environment:** Apply in well-ventilated, shaded areas during cooler times of day, or indoors with proper ventilation for best results.

- **SprayMax System:** CryoCan uses the SprayMax system, ensuring consistent spray quality and professional-grade results. Each can is pre-filled with a precise blend of propellant and solvent, providing clean and efficient application.

Ideal Use

CryoCan is specifically designed for small-scale cooling needs and touch-ups where larger cooling solutions are impractical. It is perfect for quick applications on outdoor gear, IoT devices, and smaller surfaces.

Important Considerations

- **Performance:** Full and even coverage is essential for maximum cooling performance. Partial coverage reduces efficiency.
- **VOC Level:** Low VOC (15), making it suitable for environmentally conscious projects. PPE should still be worn during application, and CryoCan should only be applied in well-ventilated areas.
- **Limitations:** Best used on flat, sky-facing surfaces with a clear view of the sky. Performance diminishes on angled surfaces over 30 degrees and in areas with overhead obstructions like trees or buildings. High wind speeds can reduce cooling effects, while low humidity enhances performance.
- **Practical Tip:** For optimal performance, ensure that the painted surface has an unobstructed view of the sky by using the YMCA 'Y' pose test—if there's only blue sky between your arms, CryoCan will work efficiently.

Maintenance

- **Self-Cleaning:** CryoCan-treated surfaces are self-cleaning and require no routine maintenance. Pressure wash or hose down the surface once a year for maximum cooling performance.
- **Avoid Contact:** Avoid walking, driving, or placing objects on treated surfaces to prevent damage and preserve cooling efficiency.

Touch-Up

CryoCan is the go-to solution for touch-ups and repairs on CryoPaint-treated surfaces. The advanced spray system ensures smooth, consistent coverage and restores cooling performance with ease.

Pricing

- **CryoCan:** \$50 per 3.5 oz can (covers approximately 3 square feet at full performance).

Contact for More Information

For more details or to place an order, please contact:

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