



SOLUTION SHOWCASE



CLARIFOIL® CELLULOSIC ANTI-FOG FILM PREVENTS FOG ON DISPLAY FREEZER DOORS WITHOUT EXPENSIVE HEATERS

FOG-RESISTANT, HIGH-PERFORMANCE FILM THAT CAN CUT COSTS SIGNIFICANTLY

Clarifoil® Cellulosic Anti-Fog Film is the industry's first self-adhesive anti-fog film produced from renewable sources. This easy-to-install hydrophilic film delivers long-lasting, high-performance anti-fog solutions for commercial freezer glass doors.

Freezer door manufacturers and supermarkets around the world use Clarifoil® Cellulosic Anti-Fog Film to prevent fogging on their freezer doors so they no longer require heaters. Supermarkets that use Clarifoil® Cellulosic Anti-Fog Film reduce their direct energy costs by up to \$98 per door per year.¹ The removal of the corresponding heat load

on refrigeration systems can result in additional energy cost savings up to \$58 per door per year.² Carbon footprint is also improved. Furthermore, many utility companies in the USA offer energy-saving rebates that can reduce the cost of installation by \$20 to \$125 per door per year depending on region.³

By using Clarifoil® Cellulosic Anti-Fog Film, you can not only reduce energy spending but you can also improve the customer shopping experience. When freezer doors have little to no fogging, customers can more easily see the products on display.

FEATURE HIGHLIGHTS

- **Saves energy.** Switch off heaters and maintain fog resistance
- **Saves on installation cost.** Rebates available from utility companies
- **Boosts sales.** Shoppers can clearly see the food
 - More than 2 minutes fog free in Climate Class 3 conditions⁴
- **Durable.** Anti-fogging will not wash/scratch off or degrade
- **Reliable.** Not dependent on heaters that break down and are expensive to run
- **Improves the environment**
 - Reduces carbon footprint⁵
 - Made from renewable resources⁶

¹ Varies based on door type. 625-744 kWh per year at \$0.1315/kWh.

² Based on 438 kWh wasted heat.

³ Based on vendor programs from a range of utility companies.

⁴ Celanese laboratory freezer test results. May vary with other doors.

⁵ EPA GreenChill partnership: 1kWh = 1.3lbs CO₂ equivalent emissions

⁶ Wood pulp from PEFC certified forestry



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Contact Information:

222 W. Las Colinas Blvd., Suite 900N, Irving, TX 75039

Enquiries on Clarifoil® Cellulosic Film

t: +44 (0) 1332 681205

e: BioPolymers@celanese.com



www.celanese.com/en/products/biopolymer-solutions-blueridge-clarifoil-cellulosic