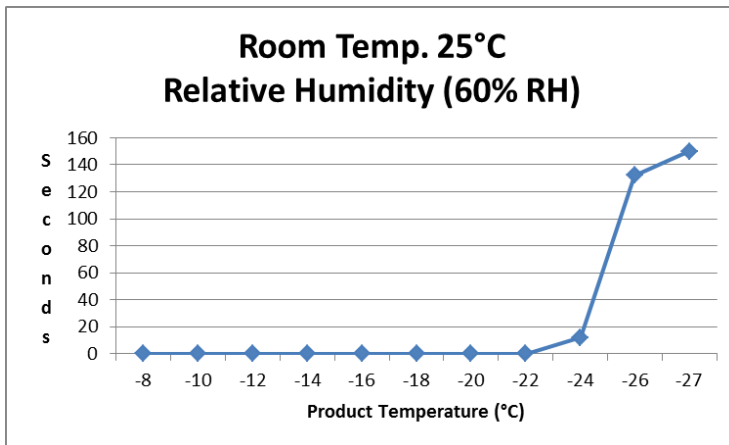


Visgard® Premium LTF-300 Anti-Fog Coated Film

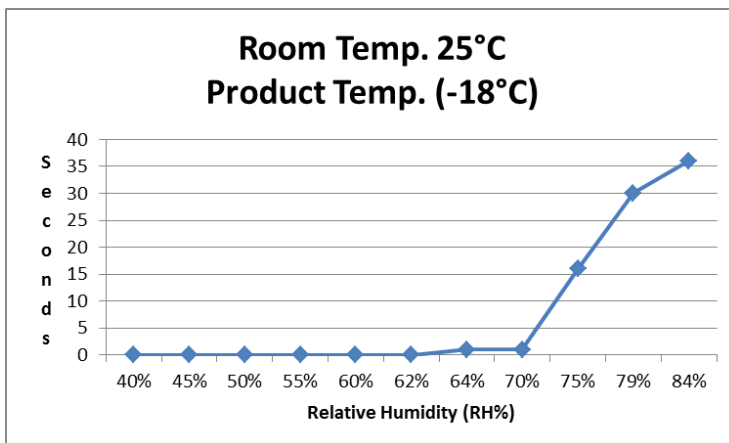
Keeping Freezer Case Doors Clear in High Humidity

Visgard LTF 300 Anti-Fog Film prevents fog and frost from forming on freezer case doors in humid grocery stores. To demonstrate the capabilities of the anti-fog film we conducted two studies to find the point where fogging or frost would begin to occur.

Performance Testing: In Study 1 we lowered the product temperature from -8°C (17.6°F) to -27°C (-16.6°F) while keeping the room humidity constant at 60% RH. In Study 2 we held the product temperature constant at -18°C (0°F) and raised the room humidity from 40% to 84% RH.



Study 1: Room Temp 77°F (25°C); Room RH 60%; Product Temp (Variable)



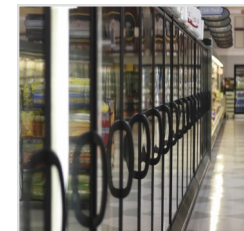
Study 2: Room Temp 77°F (25°C); Product Temp. 0°F (-18°C); Room RH (Variable)



Test Method: A freezer case door with Visgard LTF 300 Anti-Fog film applied was opened for 6 seconds every 10 minutes for one (1) hour. After closing the door, clear time was recorded—if fog or frost was present. An average of all seven (7) clear times per hour was taken for the particular condition being tested. Each of the conditions were tested in the same manner.

Test Equipment: Hill Phoenix Reach-In Glass Door Merchandiser. Anthony Eliminator2 Triple Pane Freezer Door (no heat)

Note: Fog observed on the freezer door glass did not exceed 5% of the total surface area.



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