ROBINSON
WINDOWS

UNDERSTANDING CONDENSATION.



At Robinson Windows, we build our windows with one goal in mind: quality that stands the test of time. Our high-performance, energy-efficient windows are carefully designed and built to help keep your home comfortable while reducing heat loss and energy use.

One of the benefits of a well-insulated window is that it can sometimes lead to condensation on the glass. While it may seem unusual, condensation can actually be a sign that your windows are performing exactly as designed.

EXTERIOR CONDENSATION.

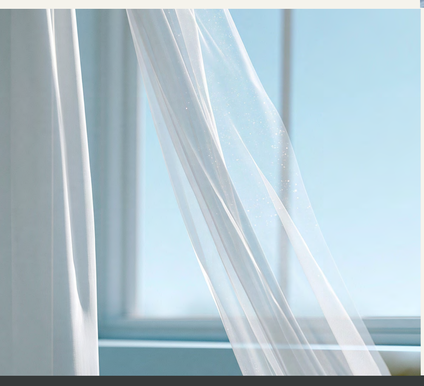
Exterior condensation forms for the same reason you see dew on grass or moisture on a vehicle after a cool night. When warm, moist air meets a cooler surface, moisture can collect on the glass.

This is especially common during the spring and fall, when a warm day is followed by a cool, still night. Less energy-efficient windows typically don't experience as much exterior condensation because heat from inside the home passes through the glass and keeps the exterior surface warmer.

Our energy-efficient Robinson Windows are built to reduce that heat transfer. As a result, the exterior glass can become cool enough to reach the dew point, allowing condensation to form.

The good news? Exterior condensation is not a defect. It's often a sign that your windows are doing their job–keeping the heat where it belongs and helping your home operate more efficiently.





INTERIOR CONDENSATION.

Interior condensation is generally caused by higher humidity levels inside the home combined with limited air circulation.

Older homes and windows often allowed small amounts of natural air exchange through gaps around the windows. While that wasn't ideal for energy efficiency, it helped move moisture out of the home. Today's high-performance Robinson Windows are built with tight seals to prevent drafts and reduce energy loss. That improved performance can also mean less natural airflow.

TO HELP MINIMIZE INTERIOR CONDENSATION.

Reduce sources of indoor moisture:
This can include humidifiers, houseplants, aquariums, and other sources of humidity.

Ventilation:
Briefly opening windows can help release excess moisture, particularly during showers, cooking, and laundry.

Keep shades and blinds raised slightly:
Raising a few inches above the sill allows warm air to circulate between the room and the glass.

OTHER FACTORS THAT CAN AFFECT CONDENSATION.

Condensation is influenced by more than just the window itself. The conditions around each window can make a difference, too.

Window Size: Larger areas of glass may be more likely to show condensation under the right weather conditions.

Window Location: Even two windows next to each other can experience different conditions. Differences in exposure, temperature, and airflow may cause condensation to appear on one window but not another.

Wind Protection: Windows sheltered from wind are more likely to experience condensation because reduced airflow allows moisture to remain on the glass.

Air Circulation: Good airflow around the window helps reduce moisture buildup. Overhangs, landscaping, and other wind barriers can restrict circulation and contribute to condensation.

Screens: Exterior screens can change airflow and surface conditions, which may affect how condensation forms compared with an unscreened window.

Interior Shades: Opening shades or blinds allows more warm air to reach the glass and can help reduce interior condensation.

Weather Changes: Condensation is often seasonal and may appear overnight. It is particularly common during periods of changing temperatures, such as the spring and fall.

WHEN TO CALL ROBINSON WINDOWS.

Condensation between the panes of glass is different from condensation on the interior or exterior surface. Moisture trapped between the panes may indicate that the insulating glass unit has lost its seal.

If you notice moisture between the panes, contact Robinson Windows. Our team can inspect the window and determine whether the insulating glass unit needs to be repaired or replaced.

At Robinson Windows, we believe good craftsmanship means more than building a window that looks great. It means building a window that performs the way it was engineered to perform—season after season, year after year. Understanding how your windows respond to changing conditions is part of getting the most from that investment.

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