



JACEWICZ EUROPEAN WINDOWS INC.

Many new windows owners are familiar with windows fogging up on the inside on cold days – a phenomenon typically associated with the poor thermal performance of single-glazed windows and aluminium joinery without a thermal break separating the aluminium on the outside from the one on the inside.

What surprises many of our customers is that their new, highly efficient double- or triple-glazed windows can fog up on the outside on cold days. Many people may not realise that outside condensation is a sign of the high quality and performance of their new windows.

Let's look at what causes condensation to form on the outside of windows featuring highly efficient double- or triple-glazing with Argon-filled cavities and Low-E coatings.

Two conditions are required for condensation to develop on the outside glass:

- 1) The outside glass must be colder than the surrounding air, and
- 2) the air must be saturated with moisture.

When the saturated air meets the colder outside glass, some of the moisture in the air condenses on it. This effect can be aggravated in areas with high humidity levels, such as places near water, when in the early morning hours, the air is warming up faster than the outside

glass, thus increasing the temperature difference between the cold glass and the air.

A sign of high quality and performance!

The important point is that outside condensation is a sign of good quality windows and glass doing their job of keeping the warmth inside the house. After all, if the exterior glass stays cold, then the double- and triple-glazed windows do not allow the heat inside to escape.

Once the sun has had a chance to warm up the outer glass to the same temperature as the air, the external condensation will disappear, and you will once again have an uninterrupted view from your dry, warm, and healthy home!

There are many articles covering this subject on line.

Client Name Printed

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Representative Name Printed

Client Signature

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Date (YYYY MM DD)

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