

Outdoor Condensation on Glass

Condensation forms on outdoor surfaces of glass when the outdoor glass temperature drops below the outdoor dew point temperature. This does not indicate there is a problem with your glass or windows. It is actually just the opposite. If insulating glass, it is performing just the way it should.



If the outdoor humidity is low and if wind blows against the glass, condensation will usually not appear. But on cool, clear nights, when there is no wind, and high relative humidity, condensation often forms on outdoor glass surfaces.

If the condensation disappears when the sun comes up and warms the glass, you can relax. Your insulating glass is working properly.

Here's what happens. Insulating units that use high performance glass, such as Vitro Architectural Glass **Solarban**[®] & **Sungate**[®] products, which are designed to reduce the amount of heat that flows from inside the building through the glass to the outside during cold weather.

Since the insulating unit keeps more heat inside, the outside glass surface stays colder. If the outdoor surface temperature drops below the outdoor dew point temperature, condensation may form.

HISTORY TABLE		
ITEM	DATE	DESCRIPTION
Original Publication	12/11/2001	TD-102
Revision #1	12/04/2016	Updated to Vitro Logo & format
Revision #2	1/18/2019	Updated the Vitro Logo & format
Revision #3	8/28/2023	Updated add better reference to Solarban® & added Sungate®

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