

## Outdoor Condensation on Glass

***Condensation forms on outdoor surfaces of glass when the outdoor glass temperature drops below the outdoor dewpoint 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.***



**Here's what happens.** Insulating units that use high performance glass, such as Vitro Architectural Glass (formerly PPG Industries) **Solarban**<sup>®</sup> 60, 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

actually drops below the outdoor dewpoint temperature, condensation may form.

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.

## Outdoor Condensation on Glass

HISTORY TABLE		
ITEM	DATE	DESCRIPTION
Original Publication	12/11/2001	TD-102
Revision #1	2016-10-04	Updated to Vitro Logo and format

This document is intended to inform and assist the reader in the application, use, and maintenance of Vitro Flat Glass products. Actual performance and results can vary depending on the circumstances. Vitro makes no warranty or guarantee as to the results to be obtained from the use of all or any portion of the information provided herein, and hereby disclaims any liability for personal injury, property damage, product insufficiency, or any other damages of any kind or nature arising from the reader's use of the information contained herein.