



VINYL WINDOWS & CONDENSATION

Windows do not cause condensation, but the right window can help control and reduce it.

Silver Line™ vinyl windows are strong, durable and impervious to water.

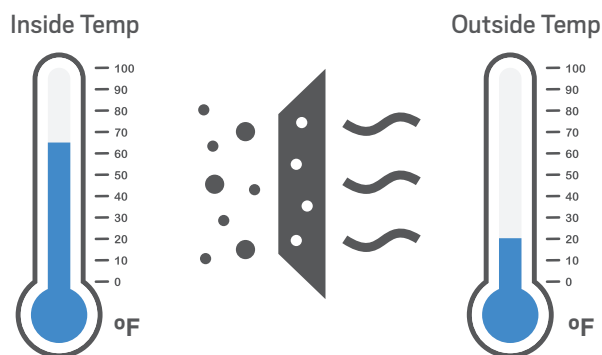
A small amount of moisture forming on windows on cold days is normal. Too much moisture will cause significant condensation on the window that at times could remain for weeks. Water could run down the window frame causing dampness and in time mold, mildew and even rot and decay.

If condensation should occur, vinyl resists the damaging effects of water, keeping your windows looking new for years. Highly insulated windows also help guard against condensation. Silver Line uses both vinyl, an effective insulating material, and double pane, insulated glass for an energy efficient window that resists condensation. This means the window surface and the air indoors are closer in temperature. The window can therefore tolerate more humid air indoors before condensation and damage occurs.

WHAT IS CONDENSATION?

Condensation is moisture that sometimes appears on the surface of glass, windows and doors when it's humid. It can block your view, drip and even freeze and cause damage. Condensation takes place when warm, moist air comes in contact with the colder surface of glass. It is a visible sign of humid air.

Indoor moisture is caused by many different factors. Common household activities such as cooking, bathing, showering, running washing machines and dishwashers all use hot water and add moisture to the air inside your home.



TEMPORARY WINDOW CONDENSATION

There are several instances when temporary window condensation can occur, including:

- During showers, baths, cooking, dish washing and other steam-producing tasks
- At the start of fall or winter. Houses absorb moisture during humid summer months. The moisture will typically dry out after you start to heat your home
- When there are sudden drops in temperature, especially during fall and winter
- In brand new or newly remodeled houses. Building materials contain a fair amount of moisture. When the heat is turned on, this moisture will flow into the air inside the home. It usually disappears after the first winter

REDUCING CONDENSATION WHAT CAN YOU DO?

Simple Solutions For Your Home

There are a few easy steps that can be taken to reduce condensation in the home and therefore reduce potential mold, mildew and decay:

- Replace old, drafty windows with energy efficient windows
- Use kitchen and bathroom exhaust fans
- Set humidifiers at levels appropriate for existing humidity and temperature conditions
- Vent clothes dryers, gas burners, etc. to the outdoors
- Check that all ventilation equipment is operating properly
- Periodically open a window in your kitchen, bathroom and laundry room for a few minutes to allow humid air to escape
- Make sure attic louvers remain open year-round and that crawl spaces are properly ventilated
- Run a dehumidifier as needed
- Check with your local heating and ventilation contractor to help determine whether ventilation is sufficient or needs to be improved

SUGGESTED HUMIDITY LEVELS FOR MAXIMUM INDOOR COMFORT

Indoor Air Temperature	Outdoor Air Temperature	Maximum Humidity
70°F	Below -20°F	15%
70°F	-20°F to -10°F	20%
70°F	-10°F to 0°F	25%
70°F	0°F to 10°F	30%
70°F	10°F to 20°F	35%
70°F	20°F to 40°F	40%



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