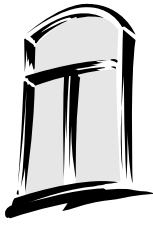




GOLDENLINE

Maintenance
Instructions

Ventilation and
Condensation



Introduction

Important Instructions

Please read before using these Maintenance Instructions

IMPROPER MAINTENANCE

Improper maintenance may void your warranty. Please pay close attention to these instructions.

IMPROPER BLIND INSTALLATION

Improper blind or curtain installation may void our glass warranty. Please pay close attention to the Blinds – Section 5.

INSTALLATION INSTRUCTIONS

Should you require installation instructions, it is available on our website or refer to the contact information below.

WARRANTY INFORMATION

Warranty information is available. Refer to the contact information below.

CONTACT INFORMATION

EuroLine Windows Inc. 7620 MacDonald Road, Delta BC V4G 1N2

Telephone 604-940-8485 Fax 604-940-8486

Toll Free 1-800-337-8604

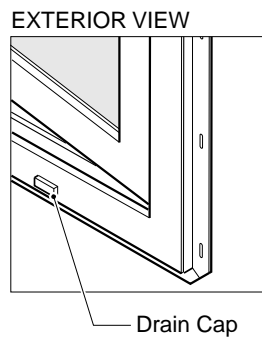
Web Site www.euroline-windows.com

Frame

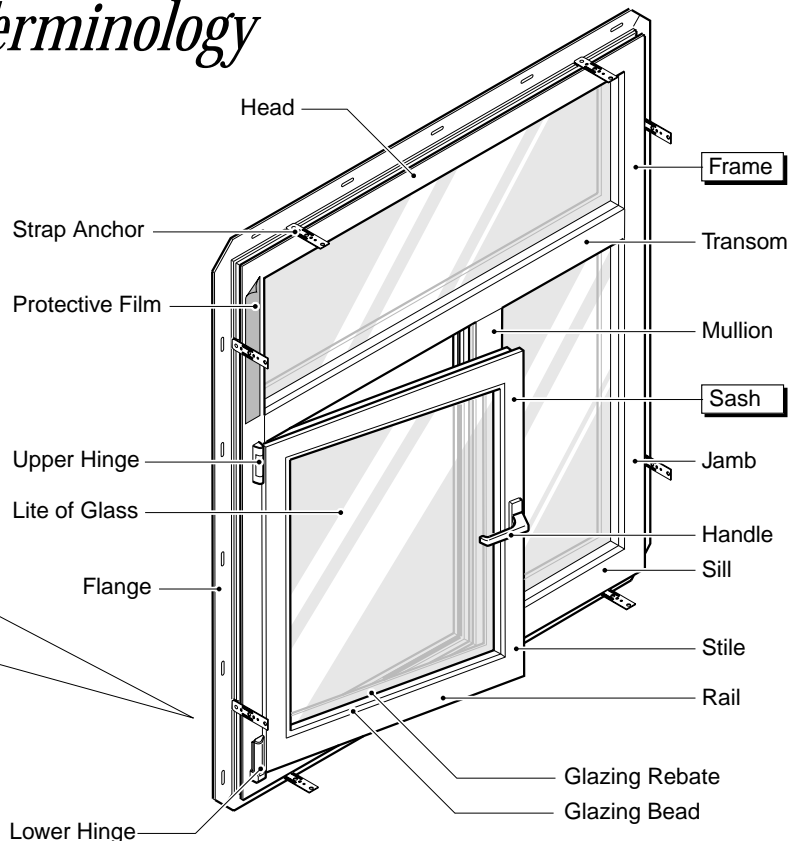
The fixed parts of the window or door. The frame includes the head, jambs, sill, transoms, and mullions. The frame does not include the sash.

Sash

The movable part of the window or door. The sash includes the top and bottom rails, and the left and right stiles.



Terminology



Section 3 Ventilation and Condensation

If your home was not designed with a continuous fresh air ventilation system, you may need to open your windows regularly to make sure that your living area is well ventilated, and to prevent condensation.

You will find ventilation is comfortable and efficient when you open your windows in the Tilt position.

Condensation and Household Humidity

Warm air can hold much more water vapor than cold air. Condensation will occur when warm, moist air makes contact with a cold surface. You can see this on a mirror in a bathroom. As the air cools, it releases the moisture onto the cold surface, and drops of water will appear.

Condensation depends on two factors: the relative humidity inside your home, and the temperature of the interior surface of your windows.

There are two things you can do to reduce the occurrence of condensation. The first thing is to choose energy efficient windows with glass that keeps the heat in your home. Energy efficient windows stay warmer in the winter. The second thing you can do is to reduce the humidity in your home.

Condensation is not always a sign of poor quality windows. New homes are often built very airtight, and may therefore have higher humidity levels than older homes. Condensation is more common on the indoor side of windows and doors. It can also appear on the outdoor side of very energy efficient windows.

What are some of the causes of humidity in the home? Warm room temperature increases the moisture-carrying capacity of the air. Plants release large quantities of water vapor. Certain cooking methods also release much moisture into the household air. Humidifiers, interior fountains, large fish tanks, and clothes dryers not vented to the exterior all contribute to high levels of household humidity.

If your EuroLine windows show room side condensation, consider how you could reduce the humidity level in your home. This will control the condensation. When the outdoor temperature is very low, even energy efficient windows will get colder, and condensation may appear.

The chart to the left shows the general relationship between interior humidity and the occurrence of condensation when the outside air temperature is low. The actual conditions under which condensation can occur depend on a number of factors, such as the type of glass in the windows, the air tightness of the home, the size of the windows and their position within the wall, the presence of blinds or window shades, and the interior humidity. In most cases, the interior humidity is the only factor which is under the homeowner's control.

Relationship Between Outdoor Temperature and Condensation for Double Glazed Windows.

Outside temperature		Approximate interior humidity at which condensation occurs at center of glass.
Fahrenheit	Celsius	
40°	4°	63%
32°	0°	57%
20°	-7°	50%
10°	-12°	45%
0°	-18°	40%
-10°	-23°	36%
-20°	-30°	32%

Note:

These values are based on center-of-glass temperature. Condensation may occur at lower humidity levels on the edge of glass.

For more information on these quality products please contact:

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7620 MacDonald Road
Delta, BC. Canada V4G 1N2

T. **604.940.8485**

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Other publications available from
Euroline Windows Inc.:

Product Catalogue

GoldenLine Installation Instructions

SilverLine Installation and Maintenance Instructions

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