

Understanding Air Infiltration

Mezzo Windows – A Powerful Barrier Against Air Leakage

Air infiltration occurs when air penetrates a home through small spaces in the windows, doors, walls, floors, roofing and other areas. This air leakage – which takes place whenever there is a pressure difference between the inside and outside of a home – can lead to increased heating and cooling costs.

Windows are the largest source of energy loss in most homes, so it's essential to choose a window that provides a superior shield against air infiltration.

Performance-engineered Mezzo Windows feature integrated energy-saving technology throughout the construction. The fully fusion-welded frame and sash corners, double-strength insulated glass unit, thermally optimized frame and sash, non-conductive composite reinforcement, and multi-layer weatherstripping together achieve an excellent all-weather barrier to seal out air leakage.

MAXIMUM PROTECTION = MINIMAL AIR LEAKAGE

The Air Leakage (AL) Rating makes it easy to compare one window to the next. The lower the AL rating the less air will pass through the window unit. Mezzo Windows deliver superior protection with AL of only 0.04 CFM (cubic feet per minute) compared to the allowable air infiltration standard of 0.30 CFM set by the American Architectural Manufacturers Association.

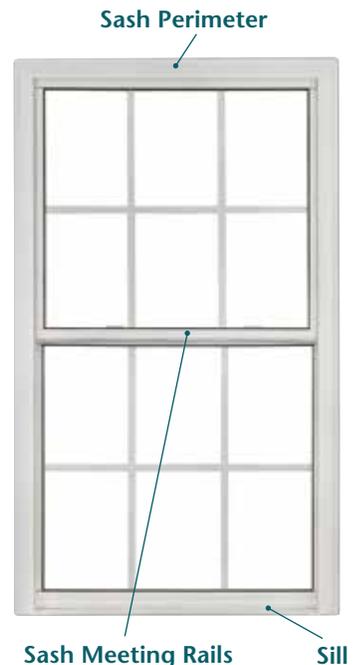


In simple terms, Mezzo Windows average 0.30 gallons of air leakage per minute, while the industry standard allows 2.25 gallons of air leakage per minute. When you compare Mezzo Windows to other residential windows you'll see why it's an excellent choice to protect your home from energy loss year-round.

AIR INFILTRATION COMPARISON CHART		
CFM (cubic feet per minute)	= Gallons	= 12 Ounce Soda Cans
Mezzo Windows .04 CFM of air leakage per minute	 0.30 gallons of air leakage per min	 3.2 cans of air leakage per min (38.4 oz/min)
Industry Standard .30 CFM of air leakage per minute	 2.25 gallons of air leakage per min	 24 cans of air leakage per min (288 oz/min)

VALUE-ADDED ENERGY SAVINGS

Studies have shown that heat loss and gain through windows account for up to 50% of a home's heating and cooling needs.* Mezzo Windows offer a variety of double- and triple-pane ClimaTech® insulated glass options that can help lower your fuel bills. Please consult your window professional to help you choose the best glass package to meet the ENERGY STAR® requirements for your home and climate zone.



Air Leakage (AL) Rating pertains to the air infiltration that occurs through the window unit itself. It is expressed as the equivalent cubic feet of air passing through a square foot of window area per minute. For example, the sash meeting rails, sash perimeter and sill are typical areas where air leakage may occur. Poorly designed windows do not have the necessary barriers to block air from forcing its way in and can be a substantial source of energy loss in a home.



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