

BENEFITS OF ENERGY STAR QUALIFIED WINDOWS



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ENERGY SAVINGS:

ENERGY STAR QUALIFIED WINDOWS AND SKYLIGHTS FEATURE ADVANCED TECHNOLOGIES SUCH AS INVISIBLE GLASS COATINGS, VACUUM-SEALED SPACES FILLED WITH INERT GAS BETWEEN THE PANES, IMPROVED FRAMING MATERIALS, BETTER WEATHER STRIPPING, AND WARM EDGE SPACERS, ALL OF WHICH REDUCE UNDESIRABLE HEAT GAIN AND LOSS.

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IMPROVED COMFORT:

COMPARED TO LESS EFFICIENT WINDOWS, ENERGY STAR QUALIFIED WINDOWS HELP KEEP HOMES WARMER IN THE WINTER AND COOLER IN THE SUMMER. THIS IS BECAUSE THEY CAN BLOCK 70 PERCENT OR MORE OF THE SOLAR HEAT GAIN IN THE SUMMER AND REFLECT RADIANT HEAT INDOORS DURING WINTER.

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PROTECTION OF YOUR HOME'S INTERIOR:

PHOTOGRAPHS, FURNITURE, FLOORING, AND WINDOW TREATMENTS CAN FADE OR DISCOLOR AFTER REPEATED EXPOSURE TO DIRECT SUNLIGHT. AN ENERGY STAR QUALIFIED WINDOW WITH SPECIAL (LOW-E) COATINGS CAN REDUCE FADING. THESE COATINGS CAN REDUCE FADING BY UP TO 75 PERCENT.

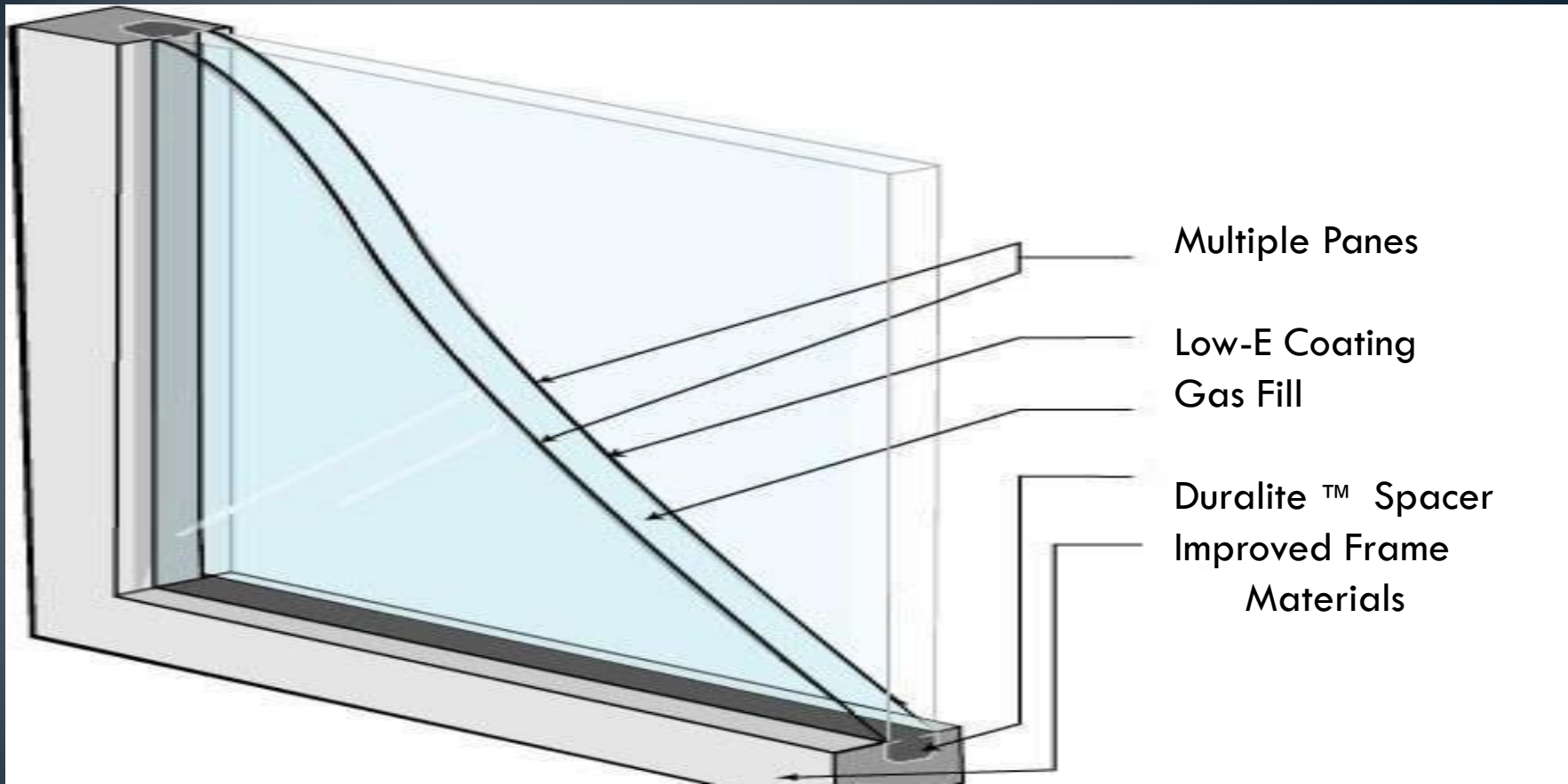
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REDUCED CONDENSATION:

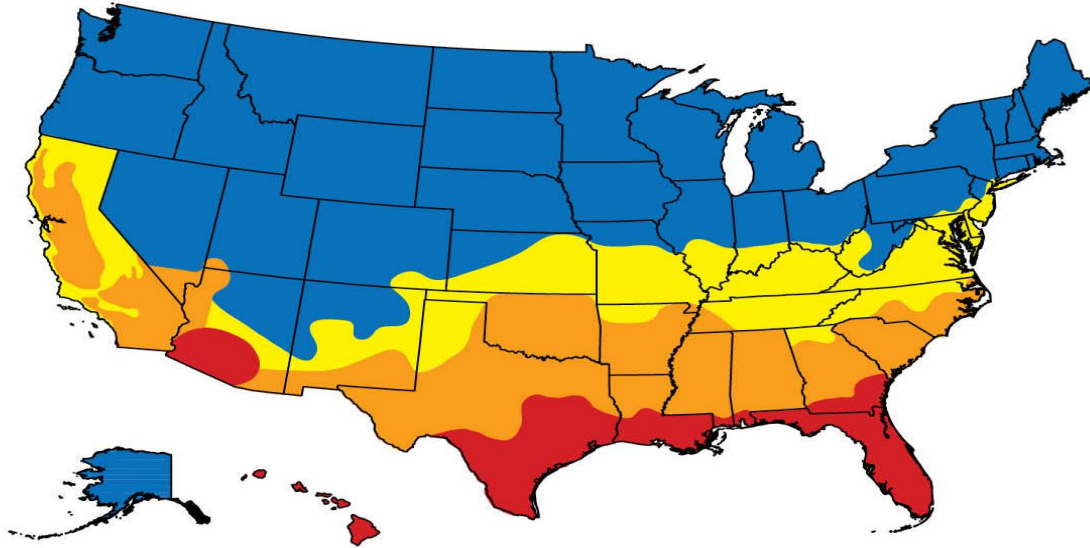
IF AN INEFFICIENT WINDOW OR WINDOW FRAME GETS TOO COLD, WATER CAN CONDENSE (OR EVEN FREEZE) ON THE INTERIOR SURFACE AND THEN POOL ON THE SILL. OVER TIME, CHRONIC CONDENSATION CAN DAMAGE WINDOW SILLS, CAUSE PAINT TO CRACK, AND ENCOURAGE THE GROWTH OF MOLD. ADVANCED FRAMES, GLASS COATINGS, SPACERS, AND OTHER TECHNOLOGIES ENABLE ENERGY STAR QUALIFIED WINDOWS TO KEEP THE INNER SURFACE OF THE GLASS AND FRAME WARMER, REDUCING THE POTENTIAL FOR CONDENSATION AND ENSURING A CLEARER VIEW ON WINTER MORNINGS.





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CLIMATE ZONE MAP



-  Northern
-  North-Central
-  South-Central
-  Southern

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ENERGY STAR® Qualification Criteria for Residential Windows

Climate Zone	U-Factor ¹	SHGC ²	
Northern	≤ 0.30	Any	Prescriptive
	≤ 0.31	≤ 0.35	Equivalent Energy Performance
	≤ 0.32	≤ 0.40	
North-Central	≤ 0.32	≤ 0.40	
South-Central	≤ 0.35	≤ 0.30	
Southern	≤ 0.60	≤ 0.27	

¹ Btu/h-ft²-°F

² Fraction of incident solar radiation

PERFORMANCE LABEL EXAMPLES:



 National Fenestration Rating Council® CERTIFIED	Duralite Aluminum Products, Inc. Series #7720 Vinyl Frame Double Glazing • Argon • Low E Product Type: Vertical Slider DAP-A-2-00006-00001
	ENERGY PERFORMANCE RATINGS
U-Factor (U.S./I-P) 0.28	Solar Heat Gain Coefficient 0.18
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance 0.30	Condensation Resistance 61
<small>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. www.nfrc.org</small>	

