



Pilkington Energy Advantage™ C Meets ENERGY STAR 2020 ER

Pilkington North America has revolutionized the pyrolytic low-e market with the introduction of the new Pilkington **Energy Advantage™ C** Low-e glass. The Canadian ENERGY STAR® 2020 specification for residential buildings can be met using Pilkington **Energy Advantage™ C** in various double glazed and triple glazed IGU configurations. A residential window with a double glazed IGU will meet the rating in terms of the Window Energy Rating (ER) procedure. In addition, for residential windows that utilize a triple glazed insulating glass unit, the lower prescriptive U-Factor rating is possible.

The new Pilkington **Energy Advantage™ C** allows for improved passive solar energy efficiency and reduction of thermal transmittance while maintaining the pyrolytic coating benefits of ease of handling and fabrication with a robust and durable surface.



Benefits

- Durable pyrolytic coating
- No edge deletion
- Ease of cleaning & handling
- Improved comfort
- Lower energy bills

Lower U-Factor

Pilkington **Energy Advantage™ C** Low-e coating will help maintain a warmer room-side glass surface, therefore reducing the heat flow through the window and keeping more of the heat inside the house.

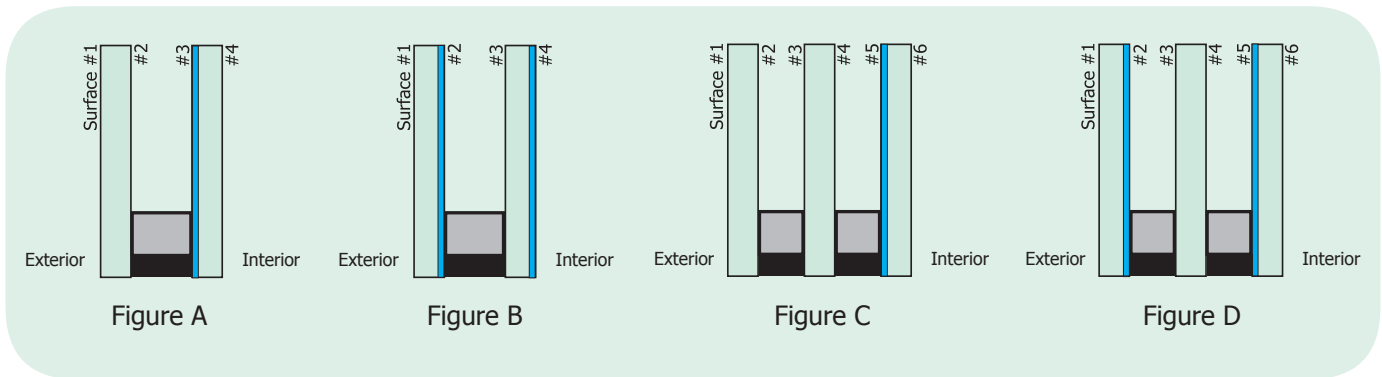
Higher Solar Heat Gain Coefficient

Pilkington **Energy Advantage™ C** Low-e glass utilizes the free heat energy from the sun to maximize the passive solar heat gain.

Pilkington **Energy Advantage™ C** Low-e glass warms the interior glass surface while increasing passive solar heat gain, so you don't need to bundle up in the winter while saving on your energy costs.

Glass Configuration 3 mm thick glass; spacers filled with 90% argon & 10% air and denoted with "/" ; coated surface location represented by "#"	Visible Light (%)			Solar Energy Transmittance (%)	UV Transmittance (%)	U-Factor White Argon [W/m ² K]	SHGC
	Transmittance	Reflectance Outside	Reflectance Inside				
Double Insulating Glass Unit with 12.7 mm spacers							
Pilkington Optifloat ™ Clear / 12.7 mm argon / Pilkington Energy Advantage ™ C (#3) (Figure A)	77	17	16	66	58	1.65	0.76
Pilkington Optiwhite ™ / 12.7 mm argon / Pilkington Energy Advantage ™ C (#3) (Figure A)	77	18	16	68	63	1.65	0.78
Pilkington Energy Advantage ™ C (#2) / 12.7 mm argon / Pilkington Energy Advantage ™ C (#4) (Figure B)	71	18	19	60	51	1.30	0.66
Triple Insulating Glass Unit with 9.5 mm spacers							
Pilkington Optifloat ™ Clear / 9.5 mm argon / Pilkington Optifloat ™ Clear / 9.5 mm argon / Pilkington Energy Advantage ™ C (#5) (Figure C)	71	23	21	59	50	1.26	0.69
Pilkington Optiwhite ™ / 9.5 mm argon / Pilkington Optiwhite ™ / 9.5 mm argon / Pilkington Energy Advantage ™ C (#5) (Figure C)	72	23	21	63	57	1.26	0.72
Pilkington Energy Advantage ™ C (#2) / 9.5 mm argon / Pilkington Optifloat ™ Clear / 9.5 mm argon / Pilkington Energy Advantage ™ C (#5) (Figure D)	66	23	23	53	43	1.00	0.62
Pilkington Energy Advantage ™ C (#2) / 9.5 mm argon / Pilkington Optiwhite ™ / 9.5 mm argon / Pilkington Energy Advantage ™ C (#5) (Figure D)	66	23	23	55	46	1.00	0.63

For data performance on additional insulated glass configurations please contact your Pilkington North America sales rep or email BuildingProducts.PNA@nsg.com
All performance values represent the "center-of-glass" region of the glass units and are calculated using the LBNL Window 6.3 program



This publication provides only a general description of the products. Further, more detailed, information may be obtained from your local supplier of Pilkington products. It is the responsibility of the user to ensure that the use of these products is appropriate for any particular application and that such use complies with all relevant legislation, standards, codes of practice and other requirements. To the fullest extent permitted by applicable laws, Nippon Sheet Glass Co. Ltd. and its subsidiary companies disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Pilkington, "Energy Advantage", "Optifloat" and "Optiwhite" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.



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