PILKINGTON

Pilkington **Optiwhite**™ vs Clear Edge Color Comparison

Edge color matters

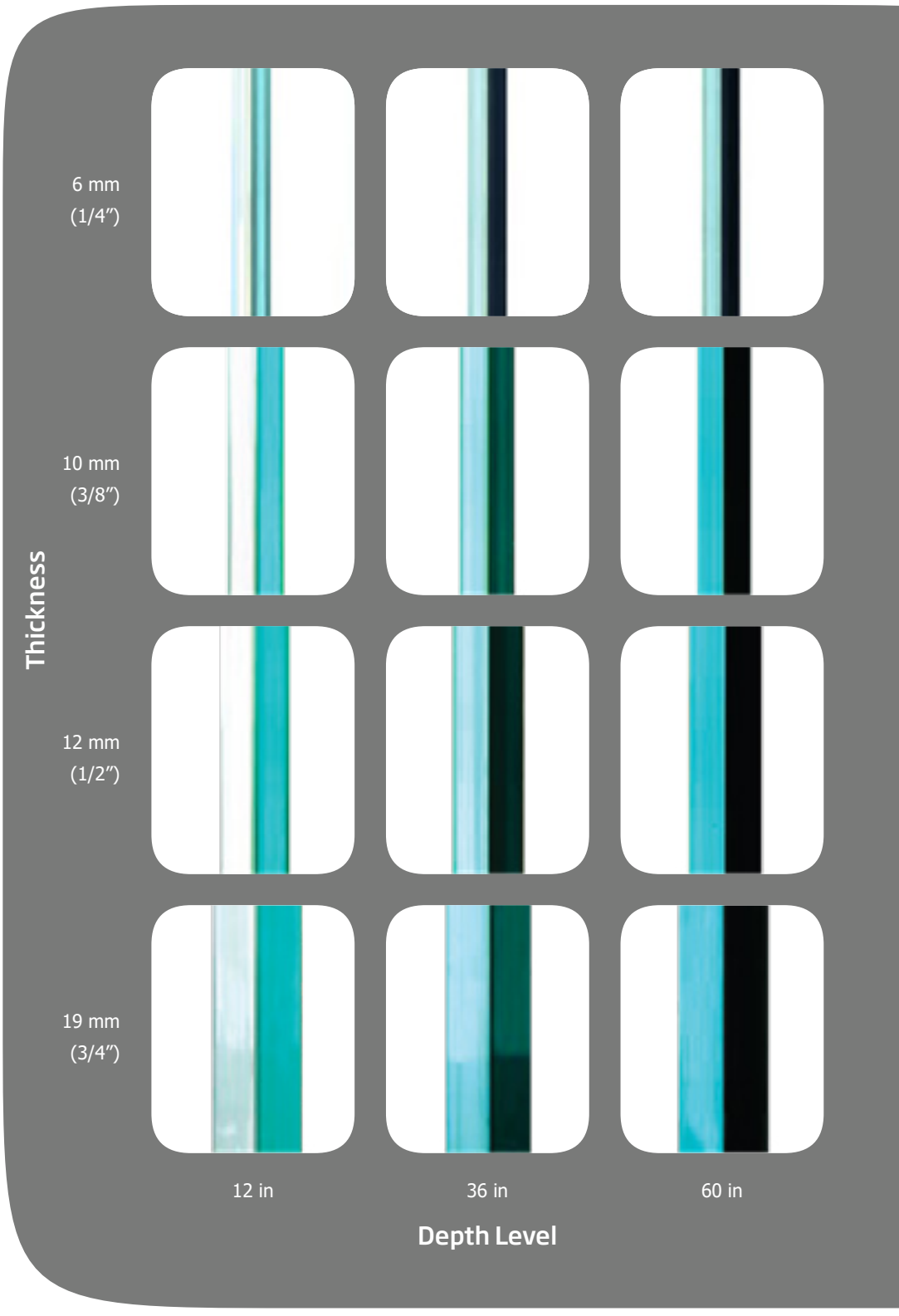
For many applications, ranging from glass doors, to countertops and furniture, the edge of the glass is visible for everyone to see.

As glass depth increases, so does edge color opacity. For standard clear float glass, that means as the depth of a lite increases, the greener the edge becomes until it's almost black.

Pilkington **Optiwhite**™ is a low-iron extra clearfloat glass with a very high light transmittance, practically colorless, and lacking the green cast inherent with standard clear glass when viewing through the glass. Pilkington **Optiwhite**™ low-iron glass is the ideal solution for doors, partitions, stair treads, table tops, guardrails and shelving applications where high light transmittance is desired.

Pilkington **Optiwhite**™ has a very light bluish edge color as compared with the much darker green edge color of standard clear glass. The edge color for both products will gradually darken as the glass thickness and size increases.

Note: All glass colors shown in this brochure are actual unaltered photographs taken of edge color of Pilkington **Optiwhite**™ (left) and Clear (right) glass

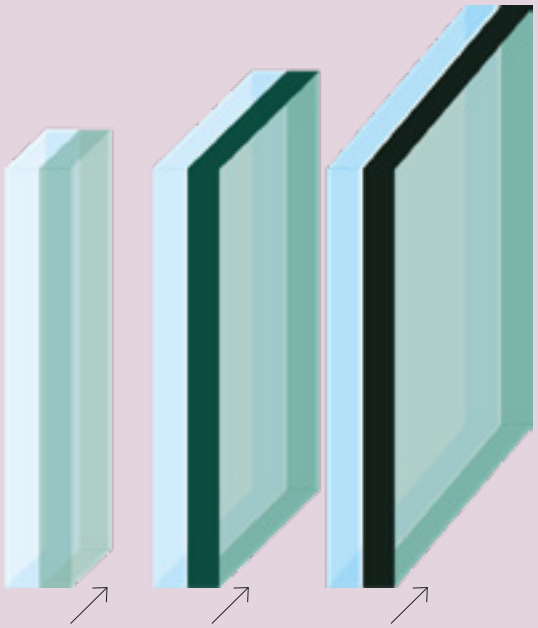


Edge color matters

Standard clear float glass, due to the higher percent by weight iron concentration within the batch composition, will absorb over five times more visible light energy as compared with Pilkington **Optiwhite**™ low-iron glass. The perceived color appearance along the edge of glass under various lighting conditions will be influenced by this overall visible light absorption level within the glass.

Pilkington **Optiwhite**™ with its lower level of absorption will display a nearly transparent edge color at a depth of 12 inches, maintain a lighter blue edge at depth level of 36 inches and continue to darken to a light blue edge color at a depth level of 60 inches.

The higher level of absorption in standard clear float glass results in a green edge color at a depth of 12 inches. The edge color will appear a darker green at in-creased depth levels to an almost black appearance at a depth level of 60 inches.



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, „Optiwhite" and „Optifloat" are trademarks owned by Nippon Sheet Glass Co. Ltd, or a subsidiary thereof.

Pilkington North America
811 Madison Ave Toledo, Ohio 43604-5684
buildingproducts.pna@nsg.com
800 221 0444 • Fax 419 247 4573
www.pilkington.us

January 2026