UNDERSTANDING COLOR VARIATION

GLASSÍSIMO™

Back-painted glass | Thickness and optical perception

Why can the same finish look different on thicker glass?

Glass is not completely color-neutral. Even extra-clear / low-iron glass retains subtle optical characteristics. As glass thickness increases, those characteristics can influence how a back-painted finish is perceived - especially in light neutrals such as beige and white.

Illustrative comparison

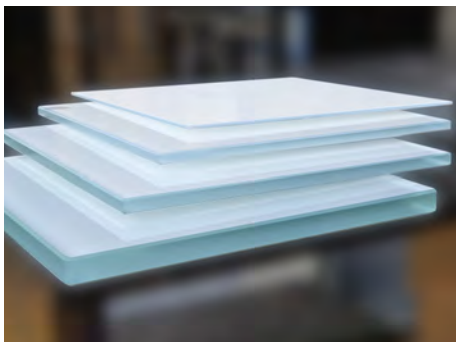
Example only. Colors below are intentionally illustrative and are not a colorimetric specification.

BEIGES

5/32″ (4 mm)	3/8″ (10 mm)	1/2″ (12 mm)	3/4″ (19 mm)
Reference sample	Subtle shift	More visible shift	Strongest effect

WHITES

5/32″ (4 mm)	3/8″ (10 mm)	1/2″ (12 mm)	3/4″ (19 mm)
Reference sample	Subtle shift	More visible shift	Strongest effect



KEY POINT

The finish itself may be consistent, while the perceived color can shift when viewed through different glass thicknesses. Thickness is the primary optical variable; piece size mainly affects how much edge area is visible.

When is the effect most noticeable?

LIGHT COLORS	Beige, taupe, ivory and white tend to show the effect more clearly.
THICKER GLASS	The optical influence of the glass becomes more apparent as thickness increases.
PIECE SIZE & GEOMETRY	Overall size does not increase the optical path; larger pieces can expose more visible edge area, making the inherent green cast easier to notice.
SIDE-BY-SIDE COMPARISON	Differences are easiest to notice when a 4 mm sample is directly compared with thicker glass.

Dealer guidance

- Use finish samples as a visual reference, not as a guarantee of exact tone across different glass thicknesses.
- For light finishes on thicker glass, explain that a tonal shift is an inherent material characteristic.
- If exact visual matching is critical, request a project-specific review before the order is finalized.

Educational reference — visual examples are illustrative, not a colorimetric specification.
Photography enhanced for clarity; natural glass variation may differ by material, lighting and viewing angle.

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