CNCGLASS

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TECHNICAL NOTE & PERFORMANCE SUMMARY

CNCGLASS White EVA Interlayer Film Series — Privacy Performance After Lamination

1. Purpose and Scope

This technical note presents the privacy performance of the **CNCGLASS white EVA interlayer film series** for architectural laminated glass. The series comprises three white translucent-to-opaque grades — **Super Milky White**, **Sandblasting White** and **Cool Jade White** — which, laminated between two plies of glass, produce privacy glazing with progressively different degrees of light transmission and visual screening. All data below are based on the reference laminate construction **4 mm glass + 0.38 mm EVA film + 4 mm glass**.

2. Privacy Rating Scale

Privacy performance is graded on a ten-point scale:

Grade	Rating	Visual effect through the glazing
Low privacy	0 – 3	One can see straight through the glass; objects behind are clearly visible.
Medium privacy	4 – 6	The view through the glass is partially obscured.
High privacy	7 – 10	Only vague shadows and colours can be discerned; details are not visible.

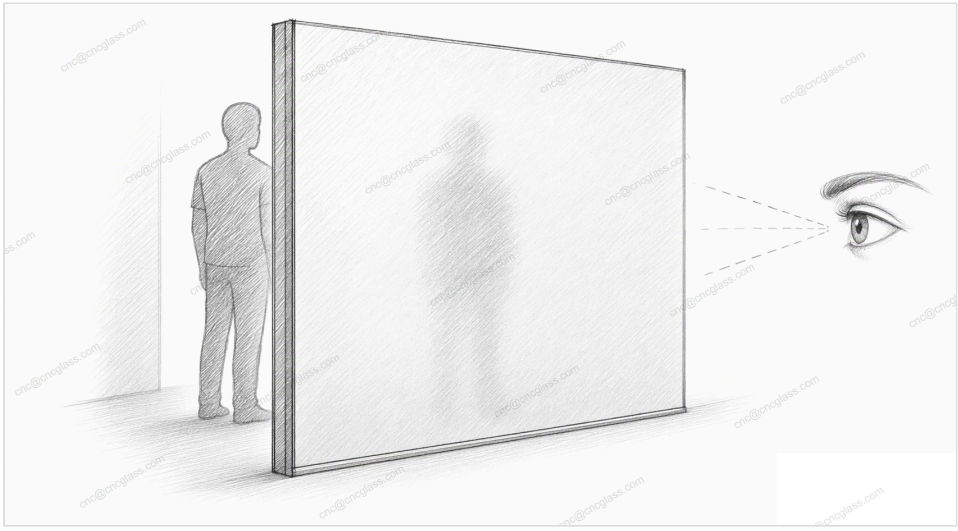


Fig. 1 — High-privacy behaviour: a person behind white laminated glazing is perceived only as a faint shadow.

3. Measured Optical Performance

Property	Super Milky White	Sandblasting White	Cool Jade White
Light transmittance	≤ 1%	≤ 5%	≤ 25%
Haze	≥ 97%	≥ 95%	≥ 90%
Privacy rating	All three grades rated **High Privacy** (Super Milky White: completely high privacy)		

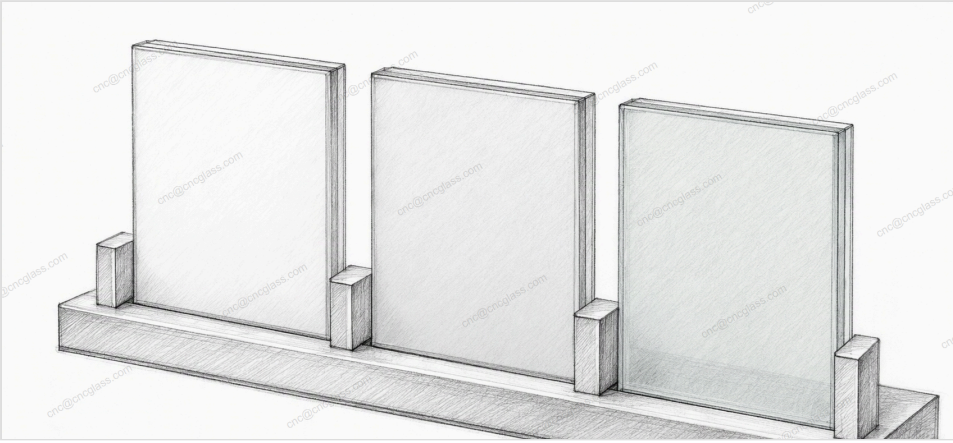


Fig. 2 — The three white EVA grades laminated between glass: opacity decreases from Super Milky White (densest) to Cool Jade White.

4. Discussion

All three grades achieve a **High Privacy** rating in the reference 4 + 0.38 + 4 mm construction: even through Cool Jade White, the most translucent of the series, a viewer perceives only shadows and colours rather than detail. The grades differ mainly in the quality of the transmitted light:

Super Milky White is effectively opaque (≤ 1% transmittance, ≥ 97% haze) and delivers complete privacy with a dense, uniform milky appearance — the preferred choice for spandrel panels, partitions and applications where no vision at all is wanted.

Sandblasting White (≤ 5% transmittance, ≥ 95% haze) reproduces the visual effect of sandblasted glass while avoiding its drawbacks: no fingerprint marking, no surface contamination and easy cleaning, since the diffusing medium is sealed inside the laminate.

Cool Jade White (≤ 25% transmittance, ≥ 90% haze) transmits a soft, jade-like diffuse glow while still screening detail — suited to decorative partitions, privacy screens and areas where gentle light admission is desired together with high privacy.

Because the white diffusing layer is encapsulated within the laminated construction, the privacy effect is permanent, unaffected by surface wear or cleaning, and the panel retains the safety and structural behaviour of laminated glass.

5. Conclusion

In the reference construction (4 mm glass + 0.38 mm EVA + 4 mm glass):

All three CNCGLASS white EVA interlayer grades achieve a High Privacy rating,

with light transmittance of ≤ 1% / ≤ 5% / ≤ 25% and haze of ≥ 97% / ≥ 95% / ≥ 90%.

The three grades let the designer select the desired balance between privacy and diffuse light transmission while retaining the full benefits of laminated safety glazing.

This document is a CNCGLASS technical note and performance summary. It is not a third-party test certificate or a certificate of conformity, and it does not authorise the use of any third-party laboratory mark.

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