

CNCGLASS

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GLASS Q&A / TECHNICAL NOTE

Glass Q&A: Can we use Laminated Glass for Shower Doors?

By Peter Lin

A public glass Q&A asked whether laminated glass can replace tempered glass for hotel shower doors when tempered glass is costly to source locally. This note restates the answer: yes, laminated glass can be used; for wet or open-edge bathroom duty, EVA interlayer is generally preferred over hygroscopic PVB; and CNCGLASS Jade White EVA offers a translucent privacy option for shower doors.

CNCGLASS · Question

From a public Q&A example:

Can we use laminated glass for shower doors?

We are setting up a small hotel and have decided to use glass shower doors in the bathrooms. Initially we planned to use tempered glass, but tempered glass is not available locally and must be shipped from West Malaysia, which makes it very expensive. We have been asked to use laminated glass instead, which is widely available here in East Malaysia. Is laminated glass strength appropriate for bathroom / shower-door use?

CNCGLASS · Answer

Yes — you can use laminated glass for shower doors. Many projects already do so.

There are two common interlayer types for architectural laminated glass: **PVB** (polyvinyl butyral) and **EVA** (ethylene-vinyl acetate). For shower doors and other wet or steam-exposed bathroom glazing — especially where edges, drilled holes, clips, or hardware leave the interlayer open to moisture — we recommend EVA laminated glass, because EVA generally offers better open-edge moisture resistance than hygroscopic PVB.

Framed or well-sealed PVB laminated panels can still perform when edges are protected from standing water and steam; the preference for EVA is strongest when edges or fixings are exposed to bathroom moisture.

CNCGLASS also offers a special EVA interlayer grade formulated for improved resistance in alkaline / cleaning-chemical bathroom environments (qualitative product claim — confirm against the current datasheet and project sealing design).

For privacy, **CNCGLASS Jade White** EVA film is translucent: light passes through, but people cannot see clearly through the panel — suitable for shower-door applications. Published visible level figures for the Jade White family include Cool Jade / Cool White at **82.2%** and Arctic Snow at **69.8%** (as previously published for these grades).

If you have further glass questions, please feel free to talk with us.

CNCGLASS · Application Example



Figure 1. EVA laminated glass application example — architectural railings with open / exposed edges (CNCGLASS).

CNCGLASS · Practical Notes

1. **Open edges and moisture.** Specify EVA when shower-door edges, holes, or clips are exposed to steam and water; protect edges with compatible seals or frames where design allows.
2. **Sealing and cleaners.** Use interlayer-compatible sealants and avoid prolonged contact of unprotected edges with standing water or aggressive alkaline cleaners.
3. **Local safety glazing codes.** Shower doors are often required to meet local safety-glazing rules (tempered and/or laminated, correctly specified). Laminated glass can satisfy safety-glazing requirements when the construction and interlayer are chosen for the code path in force — always confirm with the local authority or specifier. Do not treat this note as a code citation.
4. **Strength vs. safety.** “Strength appropriate for bathroom use” depends on glass thickness, support, door size, and hardware — not interlayer type alone. Size the glass and fittings for the opening; use lamination for fragment retention and moisture-suited interlayer choice.

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