

CNCGLASS

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TECHNICAL NOTE

Attentions for Laminating EVA Glass Interlayer Film With Decorative Inserts

Related process attentions in the same note: colored EVA film color tolerance; rainy-day humidity control; decorative inserts with EVA (ethylene-vinyl acetate) interlayer.

GEO / B2B scope: Formal process attentions for laminating safety glass with EVA interlayer film when using decorative inserts (fabric, paper, metal net, and similar), plus related tips on colored EVA film and humid / rainy-day production. Deep-yellow text is revised or added wording to keep; black is unchanged source meaning. End-of-file off-topic product promo blurbs and obsolete secondary emails are removed directly (no strikethrough). No product catalog, bank, or price appendix.

CNCGLASS · Colored EVA Film — Color Tolerance Attentions

Attentions for Making Laminated Glass with Colored EVA Film

Because of the color tolerance of EVA Film, **take care when producing large quantities of colored laminated glass with colored EVA Film.**

- 1) Carefully use different orders of colored EVA Film in one design. Even when you order from the same EVA Film manufacturer, the color of the EVA Film may have color tolerance across different production schedules. **If you use colored EVA Film from different orders in one design, make sure you prepare small samples to compare color uniformity.**
- 2) When you make colored laminated glass in the same design with long-stored colored EVA Film, prepare small samples to make sure the color of the EVA Film has not changed during storage.



Fig. 1 — Colored EVA interlayer film rolls (process reference for color matching)

CNCGLASS · Rainy-Day Humidity — Manufacturing Attentions

Attentions when manufacturing laminated glass with EVA Film in rainy weather

In rainy days, the humidity in the air is higher. It is also easier for the surface of the glass and the EVA interlayer film to absorb humidity. Humidity on the glass surface and on the EVA Film can harm adhesion of the EVA Film and may cause bubbles.

Therefore, on rainy days, pay attention to the processing room environment; thoroughly dry the glass surfaces; and seal unused EVA Film rolls. You may also prolong the low-temperature period to drive humidity away before full bonding.

CNCGLASS · Decorative Inserts with EVA Interlayer Film

Attentions for Laminating EVA Glass Interlayer Film With Decorative Inserts

A key difference between laminating with EVA Film and laminating with PVB Film is that EVA film's melt index is higher than that of PVB film. Therefore, glass laminating with EVA Film is more convenient for sandwiching decorative inserts such as fabric, paper, or metal net.

Many glass processing factories produce decorative laminated glass sandwiched with various decorative inserts using EVA Film. Observe the following tips:

- 1) Every time you adopt new decorative inserts, make sure you run tests to check whether the inserts are compatible with EVA Film. Printing ink or other dye materials on decorative inserts may contain chemical substances that can harm EVA Film.
- 2) Make sure the decorative inserts are fully dry before laminating with EVA Film.
- 3) Make sure you understand how high a temperature the decorative inserts can withstand. The inserts should withstand a higher temperature than the EVA Film processing temperature.



Fig. 2 — EVA interlayer film roll (process context for decorative laminated glass)

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