

CNCGLASS

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CNC Ucolin Interlayer Technology Co., Ltd.

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TECHNICAL NOTE

Choose Right Glass Sealant for EVA Film Laminated Glass

CNCGLASS · 1. Neutral Glass Sealant

There are three kinds of glass sealant referenced in CNCGLASS field practice: Acid, Alkaline, and Neutral (acid / alkaline / neutral). For laminated glass with an EVA INTERLAYER FILM (Ethylene Vinyl Acetate Copolymer), use a neutral glass sealant — that is, a neutral-cure silicone sealant verified as compatible with the EVA interlayer.

Industry guidance: acetoxycure (acetic / acid) silicones generally react with EVA and can cause rapid discoloration. Neutral-cure or platinum-cure silicones are typically more compatible. Always verify sealant–interlayer compatibility for the specific formulations in use.

CNCGLASS · 2. Test Before Large-Scale Application

It is highly recommended that you perform a small-quantity compatibility test before large-scale / production application to sure the glass sealant is compatible with the EVA interlayer film.

Start by sealing 3–5 pieces of small laminated-glass samples with the glass sealant you intend to use. Observe the samples for 2 weeks. If there is no haze, bubbles, or delamination around the edges, you may proceed to large-scale / production use.

Dow structural / laminated-glass guidance likewise recommends that silicone compatibility with laminated-glass edges be tested for the specific project system. Contact Dow and/or the laminator when specifying structural or weatherseal contact with interlayer edges.

CNCGLASS · 3. Recommendation of Glass Sealant

The following products are recommended or commonly referenced for glazing near EVA film laminated glass. Legacy Dow Corning listings are shown under current DOWSIL™ marketing names. Confirm project suitability with the small-scale protocol in Section 2.

Product	Role	Notes	Reference
TOSSEAL 381	Neutral glass sealant option for EVA film laminated glass (CNCGLASS technical page)	CNCGLASS / partner sealant reference	TOSSEAL 381 technical file
DOWSIL™ 1199 Silicone Glazing Sealant	One-part neutral-cure (oxime) silicone glazing sealant	Former listing renamed to DOWSIL™	DOWSIL™ 1199 product page
DOWSIL™ 799 Silicone Glass and Metal Building Sealant	Silicone glass and metal building sealant	Former listing renamed to DOWSIL™	DOWSIL™ 799 product page
DOWSIL™ 7091 Adhesive Sealant	Adhesive sealant (multi-purpose silicone)	Former listing renamed; removed	DOWSIL™ 7091 product page
DOWSIL™ 982 Silicone Insulating Glass Sealant	Two-part silicone insulating-glass (IG) sealant — not a general weatherseal substitute without project review	Former listing; base + catalyst; renamed to DOWSIL™	DOWSIL™ 982 product page
DOWSIL™ 1200 OS Primer	Adhesion primer for silicone sealants on non-porous substrates — not a sealant	Listed beside sealants in source; corrected to primer	DOWSIL™ 1200 OS Primer page

TOSSEAL 381 — please check the technical file at:

<http://www.cncglass.com/tosseal-381-right-glass-sealant-for-eva-film-laminated-glass/>

CNCGLASS · 4. Caution — Bad Example of Wrong Glass Sealant

One glass factory used an acid (acetox / acetic-cure) glass sealant to install EVA laminated glass without testing compatibility. About 3 days after installation, the laminated-glass edges showed haze, bubbles, and delamination.

Prefer verified neutral-cure systems and complete the sample protocol in Section 2 before production.

CNCGLASS · Related CNCGLASS Products

Related products from the source appendix (no prices; no invented specifications):

EVAFORCE SUPER+ — Super Clear EVA Film for large-scale / production lamination.

- Super Clear EVA Film for high-volume architectural lamination
- High-volume flagship grade among CNCGLASS EVA films
- Great performance with affordable price
- Intended for architectural safety laminated glass
- Suitable for indoor and outdoor applications

Positioned as a PVB-film alternative in suitable applications (verify project specifications)



Super Clear EVA Film for Massive Lamination
EVAFORCE® SUPER+
 Massive, Largest sold quantity in all EVA films
 Great performance with affordable price
 Aim for architectural safety laminated glass
 Applied both indoor and outdoor
 0.38*2100/2300mm 0.76*2100/2300mm

EVAFORCE SUPER+ — Super Clear EVA Film for large-scale lamination (source media)

EVAFORCE EXTREME — Super Clear EVA Film for tempered curved glazing.

- Super Clear EVA Film for tempered curved glazing
- Reduced edge overflow during vacuum heating
- Enhanced mechanical / safety performance attributes
- Recommended for extreme environments, safety tempered glazing, or curved-glass laminating
- Indoor and outdoor applications

PVB alternative where project-approved

White EVA glass interlayer film — for indoor and outdoor laminated-glass applications:

- Sandblasting White / White Translucent EVA Film
- Super Milky White / Super White Opaque EVA Film

Thermal cutter — for trimming interlayer overflow from laminated-glass edges.

Green tape — high-temperature green polyester tape for fixing / edge-holding pre-laminated glass and limiting interlayer overflow.



Thermal cutter for EVA / PVB / SGP overflow trim (source media)



Green tape for fixing pre-laminated glass (source media)

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参考来源（非【审核提醒 / 可删】）。Citations supporting technical clarifications. Product suitability remains subject to project testing.

- Source manuscript: Choose Right Glass Sealant for EVA Film Laminated Glass (Peter Lin / CNCGLASS).
- Related public copy (bad-example ~3 days): glass.builders — “Choose Right Glass Sealant for EVA Film Laminated Glass” / “Neutral Glass Sealant for EVA FILM laminated glass”.
- ArgoBond® / SWM SE-381 EVA interlayer application bulletin — silicone sealant compatibility: acetoxycure generally discolors EVA; neutral or platinum cure typically more compatible; verify compatibility.
- Dow Inc. product pages: DOWSIL™ 1199 Silicone Glazing Sealant; DOWSIL™ 799; DOWSIL™ 7091 Adhesive Sealant; DOWSIL™ 982 Silicone Insulating Glass Sealant; DOWSIL™ 1200 OS Primer (primer, not sealant). Legacy “Dow Corning” brand now marketed as DOWSIL™.

- Dow structural glazing / construction sealant guidance — laminated glass and silicone compatibility should be tested; consult Dow and laminator for project systems.
- TOSSEAL 381 CNCGLASS technical page: <http://www.cncglass.com/tosseal-381-right-glass-sealant-for-eva-film-laminated-glass/>
- NGA / industry context: edge effects from incompatible sealants on laminated glazing (e.g., NGA FB48; ASTM C1956 compatibility test method) — for background; not a product endorsement.

Disclaimer: This technical note is for informational B2B guidance. Always validate sealant–EVA compatibility with small-scale samples before production. CNCGLASS does not warrant third-party sealant performance.