CNCGLASS
CNC Ucolin Interlayer Technology Co., Ltd.
SHENZHEN, GD, CHINA
Peter Lin · cnc@cncglass.com · WhatsApp / Mobile +86 15013829504
WeChat wecan365 · www.cncglass.com

An Encyclopedia-Style Look at SGP Interlayers

A short, accurate definition

SGP, in architectural glass, is an ionoplast interlayer: a stiff, clear ionomer sheet laminated between glass plies. The letters are often used as a generic name for that family. They do not name a surface film for screens, a printing medium, or a way of publishing news. An encyclopedia-style note should start there, because much casual writing starts somewhere else.

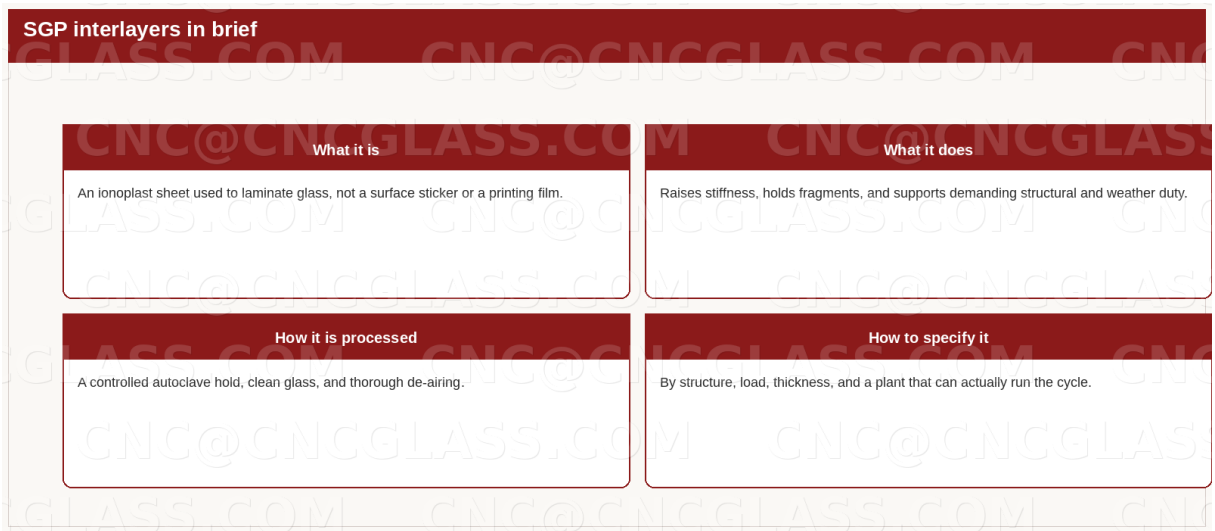


Figure 1. A compact map: what SGP is, what it is used for, how it is processed, and the limits a specifier should keep in view.

Use, process, and limits in one place

The film is used where residual stiffness and fragment retention matter: facades, railings, floors, canopies, and some transport or security laminates. After a correct high-temperature, high-pressure autoclave cycle, the bonded plate is clearer and much stiffer than a comparable PVB laminate. That is the performance that justifies the more demanding process.

Limits belong in the same entry. The sheet is hygroscopic before lamination and must be stored dry. It does not flow like a low-viscosity EVA, so trapped air and local haze have to be designed out of the stack and the cycle. It is not a drop-in replacement for every PVB or EVA opening, and it is not cheaper in process time. Used where its stiffness is needed, and processed with the care the chemistry requires, SGP is one of the most useful interlayers available. Used as a slogan, it is only three letters.

An accurate encyclopedia entry for SGP describes an ionoplast interlayer for structural laminated glass, names the process it needs, and states its limits. That is the definition we use, and the one a specifier should insist on.

Contact Us

Brand: CNCGLASS

Company: CNC Ucolin Interlayer Technology Co., Ltd.
Address: SHENZHEN, GD, CHINA
Contact: Peter Lin
Email: cnc@cncglass.com
WhatsApp / Mobile: +86 15013829504
WeChat: wecan365
Website: www.cncglass.com

For a compact briefing on SGP chemistry, process, and typical constructions, please contact us.