TECHNICAL NOTE & PERFORMANCE SUMMARY

CNCGLASS Ionoplast Interlayer Laminated Glass — 3,000-Hour Neutral Salt Spray Resistance (ASTM B117)

1. Purpose and Scope

This technical note summarises the salt spray corrosion resistance of architectural laminated glass fabricated with the **CNCGLASS ionoplast interlayer**, a stiff ionic-type structural interlayer for high-performance laminated glazing. Five full laminated specimens were exposed continuously for **3,000 hours** in a neutral salt spray environment in accordance with ASTM B117-16, *Standard Practice for Operating Salt Spray (Fog) Apparatus*. The 3,000-hour exposure duration corresponds to three times the 1,000-hour qualification threshold commonly required of structural glazing interlayers, and provides a demanding long-duration assessment of edge durability in corrosive coastal and marine environments.

2. Test Specimens

Laminated makeup	3 mm clear glass + 1.52 mm CNCGLASS ionoplast interlayer + 3 mm clear glass
Specimen dimensions	150 mm × 200 mm
Number of specimens	5

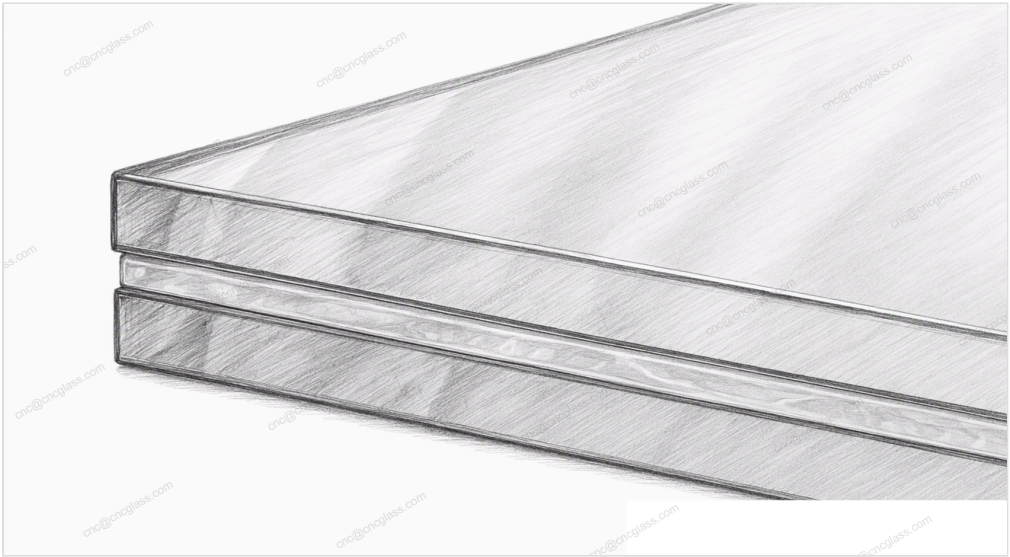


Fig. 1 — Edge view of the laminated test specimen: 3 mm clear glass + 1.52 mm ionoplast interlayer + 3 mm clear glass.

3. Test Conditions

Reference standard	ASTM B117-16 (neutral salt spray / fog)
Chamber temperature	35 °C
Saturated air tank temperature	47 °C
Salt solution	5% NaCl, pH 6.8
Solution settlement rate	1.6 mL / 80 cm² / h
Exposure duration	3,000 h continuous
Laboratory ambient conditions	23 ± 2 °C, 50 ± 5% RH

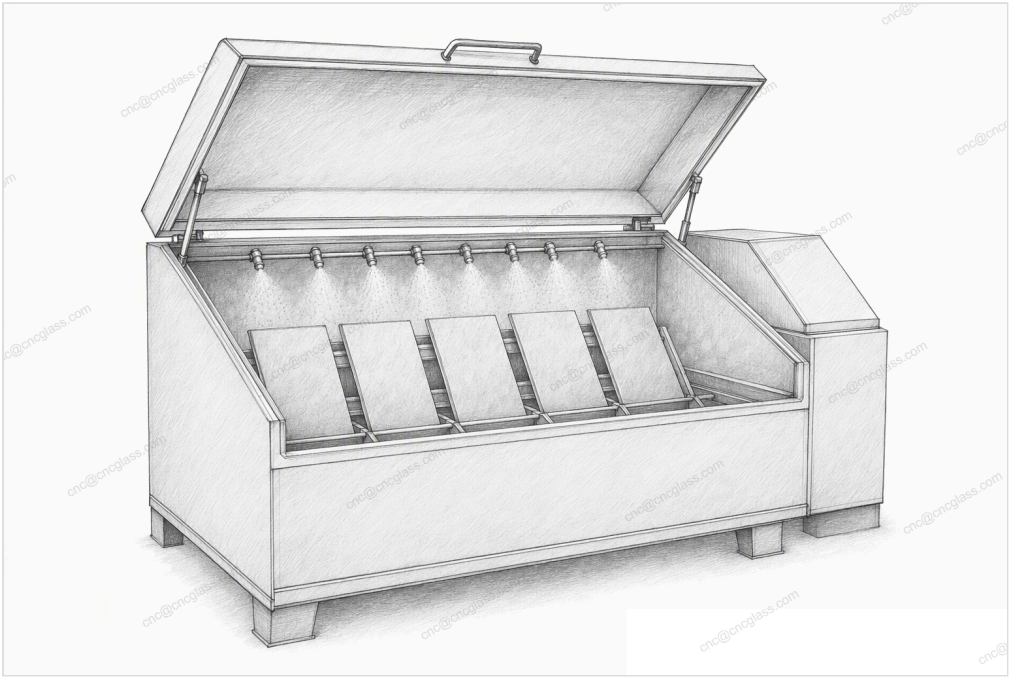


Fig. 2 — Neutral salt spray exposure: specimens racked in the fog chamber and continuously sprayed with 5% NaCl mist.

4. Results After 3,000 Hours

Specimen	Post-Exposure Observation	Assessment
001#	No whitening, discoloration, blistering or cracking in the laminated portion	Pass
002#	No whitening, discoloration, blistering or cracking in the laminated portion	Pass
003#	No blistering or cracking in the laminated portion; salt penetration of about 1 mm confined to the clamped edge area	Pass
004#	No whitening, discoloration, blistering or cracking in the laminated portion	Pass
005#	No blistering or cracking in the laminated portion; salt penetration of about 1 mm confined to the clamped edge area	Pass

After 3,000 hours of continuous neutral salt spray, all five laminated specimens remained sound. No whitening, discoloration, blistering, turbidity or cracking developed in the laminated areas of any specimen. On two specimens, salt penetration was limited to approximately 1 mm at the clamped edge zone — the mechanically gripped boundary region of the panel — with no ingress into the free laminated area.

5. Conclusion

Laminated glass made with the CNCGLASS 1.52 mm ionoplast interlayer withstood 3,000 hours of continuous neutral salt spray exposure (ASTM B117-16) with no whitening, discoloration, blistering, turbidity or cracking of the laminated portion.

All five specimens passed the 3,000-hour salt spray durability requirement.

This performance demonstrates the long-term edge stability and moisture resistance of CNCGLASS ionoplast laminates under sustained corrosive attack, supporting their use in coastal facades, marine glazing, balustrades and exterior structural glass applications.

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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