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TECHNICAL NOTE

Laminated Glass Hard-Body Impact Resistance Classification P5A per EN 356:1999

By Peter Lin

CNCGLASS · Why EN 356 P5A shows up in security glazing talks

EN 356 classifies resistance of glazing to manual attack with a hard-body drop. This article restates a P5A classification packet associated with a thick laminated glass specimen set, rewritten under CNCGLASS branding for buyers who need the public method context.

Tech note (public method context): EN 356:1999 Section 8 uses a 100 mm steel ball (~4.11 kg) dropped from 9,000 mm in a triangular strike pattern. Class P5A requires nine strikes with no penetration on each of three specimens.

CNCGLASS · Product and specimen

Specimen size in the source campaign: 1100 × 900 × 35 mm laminated glass. Testing period November 2025. Report GZIN2511002064CM01_EN.

CNCGLASS · Observed results

Specimen set	Strikes	Penetration	Class
Three panels, three vertices each	9 per panel	No	P5A

Classification: P5A — all three test pieces resisted penetration under the nine-strike triangle at 9,000 mm drop height.

CNCGLASS · What this means for glaziers and buyers

- P5A is a hard-body attack class, not a soft-body façade class—do not confuse it with EN 12600 or shot-bag levels.
- Thick multi-ply laminates are typical for P5A; quote thickness and interlayer schedule explicitly.
- Use this packet only where the tested geometry matches the project ask.

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