Green Building Material Product Certification

Pultruded GFRP Polyurethane Window Systems — 65 / 70 / 80 / 90 Series **3-STAR**

Certificate number	CABR-01(02)-(2025)-CGP-035
Certificate holder	F1 Composite Co., Ltd.
Manufacturing facility	F1 Composite Co., Ltd. — Yancheng manufacturing facility, Dafeng District, Yancheng, Jiangsu Province, China
Certification unit	Pultruded GFRP polyurethane windows (casement / pivot type)
Product name	Tilt-and-Turn GFRP composite windows
Product series	65, 70, 80, and 90 series
Glass build (representative)	5 + 1.14 PVB + 5 + 9 Ar + 5 Low-E + 9 Ar + 5 Low-E (mm)
Suitable climate zones	Cold; Hot-Summer-Cold-Winter; Hot-Summer-Warm-Winter
Certification mode	Initial factory inspection + product sampling test + post-certification surveillance
Issuing body	China Academy of Building Research Co., Ltd. (CABR), Beijing
Issue date	June 5, 2025
Valid until	June 4, 2030
Rating	**3-Star (highest tier)**

Certification Standards

T/CECS 10026-2019 — Green Building Material Evaluation: Building Windows, Doors and Components

CABR/CC-TD-CGP-09:2024 — Green Building Material Tiered Certification Implementation Rules: Building Windows, Doors and Components

Scope of Certification

The certificate covers F1 Composite Co., Ltd.’s 65, 70, 80, and 90 series tilt-and-turn windows produced by continuous pultrusion of glass-fibre-reinforced polyurethane (GFRP-PU) profiles. Performance was verified against the 3-Star tier of the Chinese green building material assessment framework, the highest of three tiers under T/CECS 10026-2019. Certification covers performance in thermal insulation, acoustic insulation, air tightness, water resistance, wind-load resistance, and embodied environmental impact.

> This document is an unofficial English-language reference summary derived from the original Chinese certificate (CABR-01(02)-(2025)-CGP-035) issued by China Academy of Building Research Co., Ltd. (CABR). For regulatory, legal, and contractual purposes, refer to the original Chinese document held on file at F1 Composite Co., Ltd. Certificate validity and scope can be verified directly with CABR.