



How we work

The independent lab that proves your uPVC windows — so the performance story becomes performance evidence.

uPVC has a genuinely strong performance story: low U-values, warm frames that resist condensation, and — as the Alliance is now showing — a defensible fire case too. But a story isn't evidence, and under NCC 2025 it's the evidence that gets scrutinised. That's the one thing we do. **AFRC Lab is an independent, product-neutral lab. We don't supply windows and we don't compete with you** — we generate the performance data you use to prove your systems meet the Code.

We provide the verification data. You achieve the certification.

WHAT WE PROVE

Thermal – Section J

BTW models your **actual** installed window to ISO 15099 — Uw, SHGC, Tvis. A WERS alternative that reports your window and size, not a generic one.

Condensation – F8 / H4

TIRS establishes the Mould Index on the junction that governs — the certifier-ready condensation evidence the Code now asks for.

Fire – Class 2

The fire-engineered Performance Solution pathway for uPVC in Class 2 buildings, delivered with our accredited fire partners.

Acoustic & carbon

Rw / Ctr sound data and embodied-carbon figures when a project — or a spec — calls for them.

OPTESEALED – installation

The window-to-wall install mapped, trained and certified with Optiseal — airtight, weatherproof and documented. Because the junction is where performance is won or lost, and a compliant window badly installed is a non-compliant building.

ON YOUR SIDE

Independent · product-neutral · a member of the uPVC Windows Alliance. **Your systems, your suppliers and your customers stay yours** — we just bring the proof.

Four simple steps

1

Send us one window

Your system at a real project size — or a window you've already rated. **We'll model the first one free**, so you can see the result before anything else.

2

We model it

The actual installed window to ISO 15099 — real size, your frames and glass — for the true U_w , SHGC and a condensation screen. Not a generic catalogue size.

3

We prove it

Certifier-ready evidence: **Section J** energy, **F8 / H4** condensation (Mould Index), and the **fire / Class 2** pathway where it's needed — the numbers your clients and certifiers can rely on.

4

We support you – on every project

Your independent performance-evidence partner from there on, so “compliant” becomes something you can **show**, not just say. No lock-in, no change to how you run your business.

Send us your first window.

Pick one you'd like the numbers on — we'll model it free and send the result back, so you can see exactly what the evidence looks like. Member to member.

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