

A one-page evidence brief you can forward internally

For evaluators briefing an owner, finance partner, or an approval committee. It summarises the Vaultwerk Dome Series engineering record, certification references, SKU range, logistics, and quote-scope tiers in one place — sourced and bounded, not inflated.

A note on honesty: schematic drawings are Vaultwerk's own; reference photographs are not specific client projects. The full document pack — CE/SGS reference pages, container-loading photos, and project floor plans — is shared during quotation for a specific project.

Engineering spec

Each figure is a manufacturer test result or reference condition; a local engineer signs off on what a specific site requires. The spec is the starting condition, not an installed-performance guarantee.

Wall / roof module — 18 cm solid EPS module, interlocking joinery
Assembly detail confirmed per project drawing.

Fire classification — B1 under GB 8624 (Chinese standard)
Not equivalent to EN 13501-1 or ASTM E84 — destination test required.

Wind — 12-class typhoon reference
Manufacturer reference condition — local engineer signs off per site.

Seismic — 8-class reference
Manufacturer reference condition — site-specific review required.

EPS core R-value — R-3.6 to R-4.2 per inch (ASTM C578); graphite EPS higher
Core material baseline — installed assembly R-value is project-specific.

Certification evidence

Factory documentation references B1 under GB 8624, CE marking under the EU Construction Products Regulation where applicable, and SGS inspection reports for specified material properties. These are an evidence base for your local code consultant — not a substitute for destination approval.

Destination tests are rarely interchangeable: a GB 8624 result does not map one-to-one to EN 13501-1, and a CE mark does not demonstrate compliance with North American codes. North America typically needs ASTM E84 and, for combustible wall assemblies, NFPA 285; Canada uses CSA A277 / ULC-S102; Australia uses an AS/NZS 3959 BAL assessment. We hand over the factory documents and can introduce destination-side consultants; we do not warrant destination compliance.

SKU range & physical connection

The Dome Series ships in four standard footprints — 28, 33, 40, and 44 m² — plus combined configurations. Unlike fabric or geodesic domes, different sizes can be physically connected at the structural envelope into a single multi-volume building. The 28 + 40 m² pairing is confirmed; other combinations are a project-specific engineering review. Footprint and cluster diagrams are on vaultwerk.com/evidence/.

Logistics

Shells ship in 40-foot high-cube containers. Per-SKU loading depends on footprint, packaging revision, and any export reinforcement framing — confirmed on each quote against the destination port, not published as a fixed number. Export reinforcement framing is a separate line item. Destination port handling, customs, duties, inland freight, and crane access are the buyer's responsibility.

Quote-scope tiers

Vaultwerk quotes by tier so two offers can be compared on the same basis. Require every supplier to quote the same tier against the same buyer-supplied items list.

Shell-only

EPS modules, structural joinery + hardware, mesh, mortar, coating, factory docs.

Separate: foundation, MEP, glazing labour, interiors, assembly crew, destination certification.

Ready-to-move-in

Shell scope + basic interior finishes, basic MEP rough-in, glazing per drawing.

Separate: foundation, assembly labour, HVAC commissioning, certification applications.

Turnkey

Ready scope + on-site assembly with factory supervisory support.

Separate: local general contracting + certification via a buyer-engaged local partner, quoted separately.

Full evidence pack — provided at inquiry stage

- CE and SGS reference pages (cover + key data pages)
- Container-loading photographs for the quoted SKU configuration
- Project floor plans for the selected footprints
- SKU connection engineering drawings for clustered or linked layouts

Share unit count, destination, intended use, and target scope and Vaultwerk routes each inquiry to the right quote and supplier path within one business day. WhatsApp +86 186 0009 5173 or inquiry@vaultwerk.com.

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