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# Inspect façade interface with curtain wall access doors

Inspect façade interface with curtain wall access doors using an interactive checklist, commentable and export as PDF/Excel, verifying weatherproofing, anchorage, and safe operation with evidence.

Project:
Date:
Filled by:

## Pre-Inspection & Documentation

1	Confirm latest approved documents and site readiness before physical checks.
2	Verify current shop drawings, door/curtainwall interface details, and RFIs are latest stamped revisions; photograph cover sheet and revision block as evidence.
3	Confirm weather conditions allow sealant and water testing using a thermometer/hygrometer; temperature 5–35°C, RH ≤ 80%, no precipitation; record readings with timestamped photos.
4	Establish safe access and exclusion zones; install barriers and door lock-out tags; capture permit-to-work and site photos before starting inspection.
5	Check calibration status for torque wrench, feeler gauges, manometer/spray gauge; calibration within 6 months; attach certificates to the inspection record.

## Structural & Anchorage at Interface

6	Inspect door frame anchorage to adjacent mullions/transoms; tighten accessible bolts with torque wrench to specified values; log actual torque and photograph each location.
7	Verify perimeter fixing spacing against shop drawings using a tape measure; acceptance ±10 mm on centres; photograph measurements and any shims/packers used.
8	Confirm hinge-side backup plates/stiffeners are installed and corrosion-protected; use inspection mirror/borescope; capture close-ups showing coating and fastener engagement.
9	Check thermal break continuity across adapters and subframes with a caliper; no exposed metal bridge wider than 10 mm; document with annotated photos.
10	Verify slab-edge embeds/anchors near the interface do not clash with door hardware; use ferrosan/cover meter; record scan images and measured offsets ±5 mm.

Air/Water/Vapor & Thermal Continuity	
11	Inspect air barrier membrane tie-in to the door frame; ensure continuous bond with $\geq 100$ mm overlap; adhesion $\geq 0.3$ N/mm via pull strip; photograph test and overlap.
12	Verify vapor barrier continuity where specified using a smoke pencil; no visible smoke migration at joints/penetrations; capture video/photo evidence at each corner.
13	Check perimeter insulation continuity with the curtainwall; thickness and density per approved submittals; measure thickness with ruler; photo labels and installed sections.
14	Inspect fire-stopping at slab edge adjacent to door framing (where required); verify correct material and tight compression; document batch numbers and close-up photos.
15	Examine sill pan flashing and end dams; confirm positive slope $\geq 1:100$ to exterior and sealed corners; perform small container pour test; record photos of flow path.
16	Confirm weeps and pressure-equalization paths are unobstructed; probe with 2–3 mm wire; acceptance: clear openings ( $\geq 6$ mm) to exterior; photo before closure.
17	Conduct controlled water spray at the interface per approved test method; uniform spray $\sim 3\text{--}4$ L/min at 300–400 kPa for 10 min; acceptance: no interior leakage; record video and readings.

Door Assembly & Hardware Operation	
18	Measure door leaf clearances with feeler gauges; head/strike 2–4 mm, hinge 1–3 mm, threshold 6–10 mm (or per submittal); photograph gauges in place.
19	Verify threshold height and bevel per approved project requirements; acceptance: proud height $\leq 10$ mm with bevel; record measurements and photos.
20	Inspect hinges/pivots/closers; fasteners seated and torqued; set closer sweep to 3–7 s over $\sim 70^\circ$ ; capture video and settings log.
21	Test locks/latches/multi-point engagement using key or card; smooth operation without binding; strike alignment $\pm 1$ mm; photo of strike marks and latch throw.
22	Confirm egress hardware where required opens with force $\leq 65$ N; use pull-force gauge; document reading, hardware model, and photo of test.
23	Check gaskets/brush seals for continuous contact; no light gaps on torch test; compression set $< 20\%$ ; record close-ups along full perimeter.

Finishes, Tolerances & Handover	
24	Verify frame plumb/level/square with spirit level and diagonals; acceptance: $\leq 2$ mm per 1 m and diagonals within 3 mm; photograph tools and readings.
25	Check glazing alignment at door and adjacent mullions using a laser line; offset $\leq 3$ mm; capture annotated photos.
26	Inspect finishes; remove protection; acceptance: no scratches $> 25$ mm or dents; sealant joints per submittal geometry (e.g., 12x6 mm) and durometer within manufacturer range; photo joints and batch/lot numbers.
27	Apply permanent door ID and record maintenance data; add QR tag if used; photograph label and update asset register.
28	Compile O&M; manuals, warranties, test reports, and as-built details; obtain signatures per approved project specifications and authority requirements; attach signed receipt.

**Comments:**

Filled by:

Signature:

Introduction	How to use this checklist
<p>Inspect façade interface with curtain wall access doors is a focused field procedure for verifying the transition between a curtainwall system and its integrated access doors. This checklist targets the façade-to-door interface, including perimeter anchorage, air and water barrier tie-ins, sill pan flashing, gaskets, and operational hardware. By concentrating on the curtainwall door interface rather than general façade works, it reduces leaks, binding leaves, thermal bridges, and undocumented deviations. Inspectors validate structural fixings, continuity of membranes and insulation, pressure-equalization paths, and alignment tolerances while capturing calibrated readings and photo evidence. The outcome is a durable, safe, and maintainable access point that performs under wind-driven rain and daily operation, with complete traceability per approved project specifications and authority requirements. Start in interactive mode to tick items, add comments with photos and readings, and export your verified record to PDF/Excel with a QR link for authentication.</p>	<p>1. Preparation: assemble approved drawings, submittals, torque wrench, feeler gauges, spirit level, laser, hygrometer/thermometer, smoke pencil, spray setup, borescope, ferrosan, PPE (gloves, eye protection, hearing protection), barriers, and labeling tools. 2. Open the interactive checklist, create a record for the specific door ID, and preload calibration certificates and relevant RFIs/submittals so acceptance criteria are visible during inspection. 3. Establish safe access and lock-out; brief the team on sequence and communication. Confirm weather windows for sealant and water testing, then begin with documentation and structural checks. 4. Using the Interactive Checklist: tick each item as completed, attach photos/videos, enter measurements (torque, gaps, levels), and add comments for snags with assignee and target dates. 5. Export and distribute: generate PDF/Excel with embedded photos, readings, and comments; include the QR link for authentication; share with contractor, consultant, and facility teams. 6. Sign-Off: capture digital signatures from responsible parties per approved project specifications and authority requirements; archive the record in the project CDE with door ID metadata.</p>