



Generated file by QChecklists
<https://quollnet.com>

Inspect smoke barrier continuity at façade interfaces

Inspect smoke barrier continuity at façade interfaces with an interactive checklist that is commentable and can export as PDF/Excel, supporting approvals and reliable, airtight results.

Project:

Date:

Filled by:

Documentation and Approvals

1	Confirm current approved façade and smoke barrier drawings are on site; compare revision numbers with the document register; acceptance: latest revisions stamped Approved; evidence: photos of title blocks and signed register excerpt.
2	Validate requirements per approved project specifications and authority requirements; review product data sheets for smoke resistance and temperature range; acceptance: specified performance clearly stated; evidence: linked submittal IDs in checklist.
3	Hold a coordination briefing with façade installer and firestop contractor; method: attendance sheet and meeting minutes; acceptance: agreed interface responsibilities and inspection hold points; evidence: signed minutes uploaded.
4	Define inspection lots and location IDs on elevation grids; method: mark drawings and onsite tags; acceptance: unique IDs visible from work position; evidence: photo of tag and annotated grid.

Materials and Traceability

5	Check product labels on smoke barrier blankets/mineral wool/tapes/sealants; method: verify manufacturer, product, batch/lot; acceptance: matches approved submittals; evidence: close-up photos of labels.
6	Verify storage is dry, elevated, and protected; method: visual and moisture check; acceptance: packaging intact, no wetting/damage; evidence: storage photos and any corrective action log.
7	Confirm accessory compatibility (foil tapes, primers, mechanical pins/washers); method: cross-check manufacturer guidance; acceptance: written confirmation on file; evidence: compatibility letter/datasheet reference attached.
8	Calibrate/verify measuring tools (tape, feeler gauge, manometer, fogger); method: check certificates or field zeroing; acceptance: in-date calibration or documented field check; evidence: certificate photos.

Perimeter Joint (Curtain Wall to Slab)	
9	Measure slab edge-to-façade gap along run at 1 m intervals; tool: steel rule/feeler gauges; acceptance: within design width ± 5 mm; evidence: logged readings with location tags.
10	Verify smoke barrier thickness/depth meets design; tool: depth probe/marked rod; acceptance: $\geq$ design thickness with $-0/+10$ mm tolerance; evidence: photo with scale marking.
11	Check uniform compression of mineral wool against slab and façade; tool: feeler gauge; acceptance: 10–25% compression, no gaps >3 mm; evidence: close-up photos before closure.
12	Inspect mechanical fixings or hangers securing the barrier; tool: tape measure/torque driver as applicable; acceptance: spacing ≤ 200 mm on centres, fixings tight; evidence: photos and spacing log.
13	Confirm continuity across mullions and transitions; method: mirror/borescope as needed; acceptance: overlaps ≥ 50 mm, seams sealed airtight; evidence: photos prior to closure panels.
14	Verify interior closure sealant to adjacent partition track; tool: bead gauge; acceptance: width ≥ 10 mm, depth ≥ 8 mm, continuous with no voids; evidence: bead close-ups.
15	Confirm only noncombustible packers/shims in the joint; method: visual and magnet/ID check; acceptance: no combustible bridges; evidence: photos and removal record if corrected.

Spandrel Zone Continuity and Closures	
16	Align spandrel insulation with smoke barrier plane; tool: straightedge; acceptance: no voids or steps >5 mm; evidence: progress photos with ruler.
17	Check foil facing orientation and lapped joints; method: visual and hand rub; acceptance: laps ≥ 50 mm, fully taped airtight; evidence: seam photos.
18	Seal around façade brackets/anchors; tool: smoke-rated sealant or fitted gaskets; acceptance: annular gaps filled, no openings >3 mm; evidence: macro photos showing closure.
19	Inspect back-pan/shadow box integrity; method: visual from interior; acceptance: no punctures, joints sealed; evidence: wide and detail shots.
20	Verify continuity at slab edges with steps, columns, and corners; tool: templated pieces; acceptance: fitted closures with overlaps ≥ 50 mm and airtight finish; evidence: photos pre- and post-taping.

Airtightness Testing and Records	
21	Conduct local fog test under 25–50 Pa differential; tool: tracer fogger and manometer/fan; acceptance: no visible leakage paths; evidence: video/photos with pressure reading.
22	Check adhesion of foil tape and sealant; method: hand-peel at 10 min and 24 h; acceptance: cohesive failure/substrate tear; evidence: peel photos and notes.
23	Record ambient conditions during install/testing; tool: thermometer/hygrometer; acceptance: within product limits; evidence: log of temperature (°C) and relative humidity (%).
24	Tag inspected locations with durable labels (grid, level, date, initials); method: permanent marker/printed label; acceptance: label legible and photographed; evidence: label photo uploaded.
25	Compile before-close-up and after-close-up photos; method: minimum six images per location with scale; acceptance: images clear and geotagged/time-stamped; evidence: photo set attached.
26	Obtain installer and inspector sign-offs and competency proofs; method: digital signatures and training records; acceptance: all parties signed; evidence: signed forms stored with QR-authenticated report.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect smoke barrier continuity at façade interfaces is a focused quality-control task that safeguards compartmentation by ensuring continuous smoke sealing where glazed curtain walls meet floor slabs and adjacent partitions. This checklist targets perimeter smoke seals, spandrel smoke barriers, and curtain wall perimeter fire containment components without drifting into unrelated wall systems. By verifying correct materials, compression, overlaps, fixings, and airtight closures, you reduce smoke migration risks, maintain pressurization integrity, and support performance during an incident. The scope excludes roof parapets, door assemblies, and non-façade penetrations. You will confirm material traceability, alignment of spandrel insulation with smoke barriers, and the tightness of closures around brackets, mullions, and transitions, plus document evidence before close-up. Field-friendly tests such as local fog under controlled pressure help reveal leakage paths early, when corrections are least disruptive. Start in interactive mode to tick items, add photos and comments, assign actions, and export PDF/Excel with a secure QR code.	1. Preparation: Gather tools (tape, feeler gauges, depth probe, manometer, tracer fogger, straightedge, bead gauge, camera), approved drawings/submittals, and PPE (gloves, eye protection, hard hat, harness if required). Ensure safe access, lighting, housekeeping, and coordination windows with façade and firestop crews. 2. Set up locations: Create lots by elevation and gridline/level. Tag physical locations with IDs, link to drawings, and preload target tolerances per project details. Add mock-up references and past NCRs to watch recurring risks. 3. Using the Interactive Checklist: Start interactive mode, tick items as verified, attach photos and videos, add pin-point comments on images, link batch labels and calibration files, and assign actions with due dates. Generate interim PDF/Excel exports for daily reports. 4. Issue resolution: For any nonconformance, record measurements, root cause, and corrective plan. Re-inspect after correction, repeat fog test if applicable, and close actions with evidence before allowing enclosure. 5. Sign-Off: Capture installer and inspector digital signatures, distribute the final report to stakeholders, archive with location IDs, and authenticate the record via QR code on the cover sheet.