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Review façade firestopping strategy at slab edges and compartment lines

Review façade firestopping strategy at slab edges and compartment lines with an interactive checklist that’s commentable and export as PDF/Excel, ensuring compliant, evidence-rich inspections.

Project:	
Date:	
Filled by:	

Documentation & Design	
1	Confirm scope limits to slab-edge perimeter joints and compartment line interfaces; method: review GA plans and fire strategy overlays; acceptance: only horizontal interfaces included; evidence: marked-up drawings uploaded.
2	Verify fire-resistance continuity around each floor plate; method: overlay fire compartments on façade elevations/BIM; acceptance: uninterrupted line at every slab edge; evidence: overlay screenshots with date stamp.
3	Check tested system equivalence for joint width, substrates, and orientation; method: compare details to manufacturer test/assessment; acceptance: substrates and joint within tested range ±5 mm; evidence: annotated datasheets.
4	Confirm structural drift, slab deflection, and thermal movement criteria; method: review engineer calculations; acceptance: system accommodates ± expected movement without loss of seal; evidence: calculation extract filed.
5	Verify approvals route and responsibilities; method: check submittals, ITP, and permits; acceptance: approvals complete per approved project specifications and authority requirements; evidence: approval letters and ITP sign-off.

Materials & Certificates	
6	Validate mineral wool safing density and facing; method: weigh sample and inspect labels; acceptance: density within ±10 kg/m³ of specification; evidence: label photos and weigh log signed.
7	Verify intumescent mastic/coat type and rating; method: check packaging and TDS; acceptance: fire-resistance performance per project specification; evidence: TDS, DoP/CoC, and batch photos.
8	Confirm support angles, retainers, and fasteners specification; method: review mill certificates; acceptance: grade and corrosion resistance per specification; evidence: certificates and delivery dockets.
9	Record batch/lot numbers for all firestopping components before install; method: materials log; acceptance: 100% lots captured and traceable; evidence: signed log with photos.
10	Obtain compatibility confirmations with curtain wall frames, membranes, and coatings; method: OEM/manufacturer letters; acceptance: written confirmation for contact materials; evidence: correspondence filed.

Substrates & Geometry	
11	Measure slab-edge to façade joint width every 2 m; method: laser/feeler gauge; acceptance: within tested system range ±5 mm; evidence: geo-tagged photos with ruler and log.
12	Verify concrete edge integrity and cleanliness; method: hammer tap, vacuum, moisture meter; acceptance: sound, dust-free, moisture ≤ 75% RH; evidence: readings and pre-install photos.
13	Check anchor pull-out capacity on first-off; method: pull-out tester; acceptance: meets/exceeds design load; evidence: calibrated test report and sign-off.
14	Confirm spandrel zone height and backpan/fireboard configuration; method: tape measure and inspection; acceptance: ≥ design dimension, continuous at mullions; evidence: photos with scale.
15	Identify obstructions within firestop path (brackets, services); method: coordination walkdown; acceptance: maintain ≥ 25 mm clearance around barriers; evidence: clash list and action log.

Installation & Detailing	
16	Install mineral wool with fibers perpendicular to joint; method: serrated knife and gauge; acceptance: uniform pre-compression 10–25%; evidence: close-up photos and supervisor sign-off.
17	Fit support angles/retainers to drawings; method: torque wrench/riveter; acceptance: spacing per detail, torque within manufacturer range; evidence: torque log and fixings photos.
18	Apply intumescent seal continuous both sides; method: cartridge gun and wet-film gauge; acceptance: bead 10–12 mm, no voids; evidence: gauge card photo and bead continuity photos.
19	Detail mullion/transom intersections and brackets; method: preformed boots/tapes; acceptance: airtight and fire-resistive continuity maintained; evidence: macro photos at each feature.
20	Continue cavity barriers across internal compartment lines to façade; method: measure and fix; acceptance: overlaps ≥ 50 mm onto partitions; evidence: photos and marked elevation.
21	Demonstrate movement accommodation; method: mock movement test on first-off; acceptance: ± expected movement without cracking/disbonding; evidence: video or photo sequence with measurements.
22	Protect installed firestopping prior to enclosure; method: temporary covers and signage; acceptance: no damage or moisture ingress; evidence: daily inspection photos.

Inspection & Records	
23	Complete progressive inspections per floor; method: this checklist in interactive mode; acceptance: 100% locations checked, NCRs closed; evidence: signed digital records.
24	Affix durable identification tags at completed locations; method: printed tags/QR; acceptance: tag shows system ID, date, installer; evidence: tag close-up photos.
25	Capture as-built prior to cladding closure; method: geo-tagged photos; acceptance: minimum three angles per location; evidence: uploaded photo set with location reference.
26	Perform preliminary air/smoke integrity check; method: flashlight, smoke pencil, temporary pressurization if feasible; acceptance: no visible leaks; evidence: test log and photos.
27	Schedule third-party or witness inspection; method: coordinated visit; acceptance: report issued and all actions closed; evidence: final sign-off letter.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Review façade firestopping strategy at slab edges and compartment lines is a focused quality and compliance exercise that safeguards compartmentation at the building perimeter. This checklist aligns perimeter fire barrier intent with slab-edge fire seals, cavity barriers, and curtain wall interface details, ensuring the tested system matches real joint widths, substrates, and movement demands. It targets horizontal perimeter joints and the junctions where internal compartment lines meet the façade, avoiding penetrations or vertical shaft works. By validating product equivalence, installation compression, seal continuity, and movement accommodation, teams prevent hidden pathways for fire and smoke spread, reduce rework, and protect structural and life safety objectives. The outcome is an evidence-backed, inspectable perimeter firestopping package that stands up to design scrutiny and third-party review. Use this interactive checklist to tick items, add comments, and export records as PDF/Excel secured by QR for traceable sign-offs.	1. Preparation: assemble approved drawings, façade details, test assessments, TDS/DoP, torque wrench, laser/feeler gauges, moisture meter, pull-out tester, PPE, and access permits. Brief the team on scope boundaries: slab edges and compartment line interfaces only. 2. Using the Interactive Checklist: open interactive mode, select floor/zone, and tick items as verified. Add comments with photos, readings, and batch labels. Tag non-conformances with due dates and owners for closure tracking. 3. Documentation & Export: attach marked overlays, mock-up evidence, and inspection reports. Generate floor-by-floor summaries, then export the full record set to PDF/Excel for distribution or authority review. 4. Sign-Off: capture digital signatures from installer, façade lead, and site QA. Distribute to stakeholders and archive. Use the QR-authenticated export to validate authenticity during audits and handover.