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Inspect cavity barriers at façade zones before concealment

Inspect cavity barriers at façade zones before concealment with an interactive checklist. Commentable steps, measurable evidence, and export as PDF/Excel with QR-secured reports.

Project:
Date:
Filled by:

Pre-Inspection and Hold Point Controls	
1	Confirm latest approved façade and fire-stopping drawings/specifications are in use; compare revision IDs on tablet to document register; acceptance: revisions match; evidence: photos/screenshots showing document numbers and dates.
2	Establish pre■concealment hold■point tags at each barrier run; attach durable tags at start/end; acceptance: legible run ID, date, inspector initials; evidence: close■up photos of both tags.
3	Confirm full visibility and safe access along barrier run; temporarily remove obstructions; acceptance: 100% of length viewable; evidence: panoramic photo showing continuous exposure.
4	Brief crew with a toolbox talk on product, sequencing, and tolerances; acceptance: attendance sheet signed; evidence: photo of signed sheet and agenda.

Product Verification and Condition	
5	Verify product type/classification per approved project specifications and authority requirements; inspect labels/DoP/packaging; acceptance: product code matches schedule; evidence: photos of labels and DoP.
6	Measure barrier width and thickness with tape/calipers; acceptance: within ±3 mm of design; evidence: measurement photos with scale visible.
7	Inspect intumescent or insulation elements for tears, kinks, moisture, or contamination; acceptance: continuous and undamaged; evidence: close■ups at random 2 m intervals.
8	Confirm ancillary components (brackets, rivets, staples, tapes) match manufacturer guidance; acceptance: correct material/grade; evidence: delivery notes and box labels photographed.

Positioning and Continuity	
9	Set out barrier line using laser and tape from datum; acceptance: installed within ±5 mm of design position; evidence: annotated photos of measurements.
10	Verify full closure of cavity at compartment lines and slab edges; probe with feeler gauge; acceptance: no unsealed gap >2 mm; evidence: close■ups with gauge visible.
11	Check continuity around window/door openings at head, jambs, and sill; acceptance: continuous loop with approved laps/returns; evidence: sequence photos around perimeter.
12	Inspect joints between lengths; measure laps or butt gaps; acceptance: laps ≥50 mm or butt joints sealed per system; evidence: ruler in-frame photos.
13	For open■state barriers, confirm ventilation path remains unobstructed pre■activation; acceptance: clear airway height per design; evidence: profile photo with scale.
14	Confirm returns at corners and interfaces maintain fire integrity; acceptance: no exposure path through corner; evidence: corner detail photos showing overlap/wrap.

Fixings, Supports and Installation Quality	
15	Validate fixing type, size, and spacing against manufacturer data; measure centres; acceptance: spacing within stated range; evidence: annotated photos every ≤1.5 m.
16	Ensure fixings anchor into suitable substrate (not insulation/thin sheet alone); acceptance: embedment per system; evidence: spot■check removal and substrate photo at samples.
17	Record sample torque on representative fixings with calibrated wrench; acceptance: within manufacturer range; evidence: torque log with serial number of tool.
18	Confirm required compression/contact of barrier against substrates; test with feeler gauge; acceptance: uniform contact, no gaps >2 mm; evidence: close■ups along length.
19	Verify applied corrosion protection to cut edges/fasteners where specified; acceptance: continuous coating without holidays; evidence: before/after photos.

Interfaces, Penetrations and Terminations	
20	Inspect closures around façade support brackets/fixings; use templates or proprietary kits; acceptance: tight fit; gaps sealed per system; evidence: macro photos at each bracket.
21	Review interface with floor■edge firestopping sequence; acceptance: designed overlap/abutment achieved without voids; evidence: photos with marked interface line.
22	Confirm compatibility and adhesion of sealants/tapes; perform gentle pull check; acceptance: no delamination; evidence: record batch/lot numbers in log.
23	Verify movement allowances at joints/slotted fixings where required; acceptance: designed movement gap visible and unobstructed; evidence: ruler photo and note.
24	Ensure terminations return to solid substrate with mechanical fix; acceptance: no free ends; evidence: end■detail photos with fixing visible.

Documentation and Sign-Off Evidence	
25	Capture as■built photo record at ≤2 m intervals along each run; acceptance: clear, date■stamped, geotagged if possible; evidence: image set uploaded.
26	Mark up drawings with run IDs, locations, and inspection status; acceptance: legible redlines with date and initials; evidence: exported PDF from tablet.
27	Record environmental conditions affecting adhesion/installation (air/substrate temperature, RH, surface moisture); acceptance: within product limits; evidence: calibrated readings log.
28	Collect DoP, test reports, approvals for installed products; acceptance: documents match product labels; evidence: scanned copies stored in project CDE.
29	Obtain installer and inspector digital signatures before concealment; acceptance: both signatures with time/date; evidence: signed interactive checklist and QR.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect cavity barriers at façade zones before concealment is a critical hold point to verify product type, location, continuity, fixings, and interfaces before panels or insulation hide the work. This focused checklist supports façade cavity fire barriers, including open■state barriers within ventilated rainscreen cavities and full■closure barriers at compartment lines. By confirming set■out, laps, returns at corners, and closures around brackets and openings, you reduce the risk of unseen discontinuities that compromise compartmentation and smoke control. Field■ready methods—laser alignment, tape measurements, feeler gauges, sample torque readings, and geo■tagged photos—produce defensible evidence that the installation aligns with approved project specifications and authority requirements. The outcome is verifiable compliance, fewer reworks, and traceable as■built records ready for sign■off before cladding proceeds. Launch the interactive checklist to tick items in sequence, add comments with photos, flag nonconformities, and export an audit■ready report to PDF or Excel, secured by a unique QR for easy site reference.	1. Preparation: gather approved drawings/specifications, manufacturer instructions, calibrated tape, laser, feeler gauges, calipers, torque wrench, PPE, and access equipment. Coordinate a hold point with façade and fire■stopping teams so the entire barrier run is exposed and safe to inspect. 2. Start interactive mode: create a run ID, open the checklist on tablet, and enable photo, location, and time stamping. Tick items as you proceed, attach annotated photos, and log measurements directly beside each item. 3. Record findings: add comments for any nonconformity, reference drawing details, and capture batch/label photos. Request immediate corrections where feasible and re■inspect only the affected items to keep programme moving. 4. Export and share: generate an export as PDF/Excel including photos, comments, measurements, and revision metadata. Share the QR■secured report link with stakeholders and attach it to the area’s hold■point record. 5. Sign■off: obtain installer and inspector digital signatures in the app. Archive the report in the project CDE with run ID, date, and location so cladding can proceed after approval.