



# Test façade closeout defects after remedial works, retesting

Test façade closeout defects after remedial works and retesting using an interactive checklist that's commentable and export as PDF/Excel, with clear evidence, tolerances, and sign-off.

Project:

Date:

Filled by:

## Administrative Closeout

|   |                                                                                                                                                                                       |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Cross-check the remedial punch list against as-built drawings; mark each defect location closed, attach before/after photos, and obtain supervisor and consultant initials with date. |
| 2 | Verify the latest approved method statements and retest plan are issued; record revision numbers and approval dates per approved project specifications and authority requirements.   |
| 3 | Confirm product traceability for sealants, gaskets, tapes, anchors: photograph batch/lot labels, check expiry dates, and upload conformity certificates to the test record.           |
| 4 | Upload calibration certificates for manometers, flow meters, torque wrenches, IR cameras, and moisture meters (valid within 12 months); record serial numbers and validity dates.     |
| 5 | Brief the team on access, exclusion zones, and water management; record toolbox talk attendance with signatures and site layout showing drainage and protection.                      |

## Visual and Dimensional Inspection

|    |                                                                                                                                                                                       |
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| 6  | Inspect repaired sealant beads: uniform width within $\pm 2$ mm, smooth finish, no voids; verify edge adhesion with a light probe; capture macro photos at 1 m intervals.             |
| 7  | Measure joint widths and panel offsets against drawings: joint width within design $\pm 3$ mm; offset across joints $\leq 2$ mm; record with steel rule and level, attach photos.     |
| 8  | Confirm coating/touch-up dry film thickness meets manufacturer minimum; record $\mu\text{m}$ readings at three locations per repaired area; note any pinholes or runs and photograph. |
| 9  | Check weep holes and vents are clear; verify spacing per drawings; perform a 250 mL water pour—drainage observed within 60 s without backflow; photo evidence required.               |
| 10 | Verify glazing packers/setting blocks and edge clearances per drawings ( $\pm 2$ mm); photograph from interior/exterior to evidence position and continuous support.                  |

### Moisture and Air Infiltration Retesting

|    |                                                                                                                                                                                                  |
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| 11 | Set up spray rack or nozzle per approved retest plan; confirm uniform coverage; record flow rate (L/min), stand-off distance (mm), and duration (min) with setup photos.                         |
| 12 | Conduct static water retest using chamber or controlled spray per plan; maintain target pressure and duration; acceptance: no visible ingress; log pressure (Pa) and time (min).                 |
| 13 | Perform targeted joint retest over repaired areas; traverse slowly along joints and interfaces; acceptance: no water penetration; capture continuous video and annotated photos.                 |
| 14 | Run air infiltration retest with blower door or chamber; record differential pressures in steps to target; acceptance: leakage rate $\leq$ project limit (L/s·m <sup>2</sup> ); export data log. |
| 15 | Complete moisture verification: spot-check interiors with a calibrated moisture meter before and after wetting; acceptance: no sustained increase >2% WME; attach readings.                      |
| 16 | Thermal imaging 30–60 min post-wetting to reveal hidden moisture paths; acceptance: no cold anomalies >2 °C from adjacent baseline; include radiometric IR images.                               |

### Structural and Fixings Verification

|    |                                                                                                                                                                              |
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| 17 | Torque-test 10% of accessible replacement anchors or bracket bolts; acceptance: within –0/+15% of target without rotation; record Nm values and locations with photos.       |
| 18 | If specified, perform pull-out tests on representative repaired anchors; record peak load (kN) and mode of failure; acceptance: $\geq$ project minimum; upload gauge photos. |
| 19 | Confirm shims, isolators, and packers provide full bearing; no unintended metal-to-metal contact; document shim material and thickness (mm) with close-up photos.            |
| 20 | Check movement joints/slots are free and sized to design; record clearance (mm) at ambient temperature; acceptance: no binding or restriction; attach feeler gauge photo.    |

### Sealant and Interface Performance

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| 21 | Field adhesion check on new sealant: 25 mm peel creates cohesive failure; acceptance: adhesive failure $\leq$ 5% of test length; photograph peel and substrate.                        |
| 22 | Verify sealant cure with Shore A durometer; acceptance: within manufacturer's stated range; record three readings per location and ambient conditions (°C, %RH).                       |
| 23 | Measure backer rod size and sealant depth: aim $\sim$ 0.5× joint width ( $\leq$ 12 mm joints), within $\pm$ 2 mm; ensure no three-sided adhesion; include depth-gauge photos.          |
| 24 | Verify interface transitions: terminations, tapes, and flashings overlapped and bonded; minimum overlaps per drawings (e.g., $\geq$ 100 mm where indicated); provide annotated photos. |

### Comments:

Filled by:

Signature:

| Introduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | How to use this checklist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <p>Test façade closeout defects after remedial works and retesting is the final quality gate ensuring repaired building envelopes perform as intended. This checklist guides façade defect verification, building envelope retesting, and post-remedial inspection to prove water tightness, air performance, structural fixity, and interface integrity. It focuses on completed remedial works only, excluding design changes or unrelated façade zones. By capturing measurable evidence—flow rates, pressures, torque values, leakage rates, durometer readings, and photo logs—you reduce the risk of latent defects, callbacks, and warranty disputes. The outcome is a defensible, traceable closeout package aligned with the approved test plan, manufacturer instructions, and authority requirements. Use this tool to plan retesting, standardise field observations, record calibrations, and secure digital sign-offs. Start in interactive mode to tick items, add comments for nonconformities or concessions, and export the full report to PDF/Excel with a scannable QR for authentication.</p> | <p>1. Preparation: Confirm retest scope, approvals, and access. Gather spray rack/nozzle, chamber or blower door, manometer, flow meter, moisture meter, IR camera, torque wrench, durometer, steel rules, PPE, and protection materials. Verify calibration certificates and upload to the checklist. 2. Using the Interactive Checklist: Start interactive mode, assign responsible persons per group, and enable photo/GPS stamps. Tick items as completed, add time-stamped comments for observations or NCRs, and attach readings directly to each step. 3. Execute Retesting: Follow the approved retest plan, recording pressures, flows, durations, and observations in real time. Pause to isolate issues if anomalies arise, then retest affected joints only and document outcomes clearly. 4. Export and Share: Generate a structured report with photos, data logs, and mark-ups. Export as PDF/Excel and circulate to the contractor, consultant, and client with a scannable QR for authentication. 5. Sign-Off: Capture digital signatures from the responsible contractor, QA/QC, and consultant. Archive the dossier with drawing references and instrument serials for warranty and authority submissions.</p> |