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Inspect waterproofing at parapet and façade transitions checklist

Inspect waterproofing at parapet and façade transitions with an interactive checklist that is commentable and can export as PDF/Excel, ensuring verified membranes, terminations, drainage, and sign-off.

Project:

Date:

Filled by:

Documentation & Approvals

1	Confirm latest approved detail drawings show parapet-façade transition (upstand height, terminations, drips); record drawing numbers, revisions, and approvals; attach plan markup highlighting inspected locations.
2	Verify product data sheets and compatibility letters for membrane, primer, sealant, and metals; capture batch/lot numbers, expiry dates, and manufacturer approvals as photos.
3	Review method statement and ITP specific to parapet transitions; confirm hold/witness points; record inspector and installer signatures with date/time stamp.
4	Record environmental conditions within manufacturer limits: ambient/surface temperature and relative humidity using a calibrated thermo-hygrometer and IR thermometer; attach readings photo.

Substrate & Geometry

5	Measure waterproofing upstand height at transition; accept ≥ 150 mm above adjacent finished surface unless specified otherwise; photo with tape measure and location tag.
6	Check parapet coping or slope towards designated side per detail; accept minimum 1:80; verify with digital level; record slope direction and reading.
7	Assess substrate soundness (concrete/masonry/backup): no loose laitance, voids, or sharp arrises; moisture content $\leq 5\%$ by mass unless product allows more; log moisture meter readings.
8	Verify corner treatment: fillet/chamfer 10–20 mm at inside angles; install preformed mitres where required; photo close-ups before membrane application.
9	Confirm surface preparation: clean, dry, dust-free; primer applied evenly at manufacturer's coverage; take wet/dry film gauge readings and record m ² primed.

Membrane & Flashing Installation	
10	Install corner reinforcements/preformed corners at inside/outside parapet returns; no fish-mouths; probe edges with seam probe; photo after installation.
11	Ensure membrane turn-up on parapet and turn-down behind façade interface per detail; laps ≥ 75 mm or per datasheet; verify seams by probe and trial peel; document lap width with ruler.
12	Fix termination bar at designated elevation on façade/back-up: stainless fixings at 200 mm centres (or spec); torque to manufacturer value; record spacing and torque sample readings.
13	Apply sealant bead over termination bar: width 10–15 mm, fully tooled; confirm joint backing where needed; capture sealant batch/expiry and close-up bead photo with scale.
14	Install counterflashing/reglet per detail: chase depth ≈ 20 mm; laps ≥ 50 mm, drip hem continuous; fixings stainless; photo reglet depth with probe and show continuous line.

Penetrations & Interfaces	
15	Detail around façade brackets/anchors at the transition: use preformed collars or compatible liquid flashing; maintain minimum 25 mm cover; photo before and after closure.
16	Provide drip edge/weep path on façade side to shed water clear of cladding; continuous through corners; fixings ≤ 150 mm centres; verify visible drip line; photo underside.
17	At terminations near window heads or parapet caps, maintain shingle-lap logic; overlaps ≥ 75 mm; show continuity behind trims; capture sequence photos before cover.
18	Confirm material compatibility: separate bitumen and PVC/TPO with ≥ 300 g/m ² fleece or PE sheet; photo separation layer and label materials.

Drainage & Protection	
19	Check scuppers/overflows at transition zones: openings clear, edges waterproofed, metal sleeves sealed; dimensions per drawing; water pour test for flow; photo discharge.
20	Install protection board/metal flashing to guard membrane from façade works; continuous with taped joints; thickness ≥ 6 mm or per spec; photo coverage and fixings.
21	Verify façade drainage plane terminates above waterproofing with 10–15 mm gap and drip; ensure cavity trays discharge externally; photo gap with feeler gauge.

Testing & Handover	
22	Perform controlled hose/spray test on transition for ≥ 30 minutes at 3–5 L/min; inspect interior and cavity; no leaks or dampness; upload video and marked plan.
23	Conduct adhesion pull-off on representative areas: accept ≥ 0.5 MPa or per approved project specifications and authority requirements; record gauge readings and locations.
24	Compile as-built evidence: wide/mid/close photos with scale, batch labels, torque log, environmental readings; link to drawing references; verify completeness checklist.
25	Obtain final sign-off by installer, GC, and consultant; attach punch-list closure; export PDF/Excel with QR authentication; archive in project QA system.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect waterproofing at parapet and façade transitions to prevent wind-driven rain ingress, capillary leaks, and hidden decay at the building envelope's most stressed interface. This checklist focuses on the parapet-to-wall interface, including upstand flashing, counterflashing, and façade transition waterproofing behind cladding and trims. It excludes general roof field work, curtain wall serviceability testing, and unrelated façade systems beyond the immediate transition zone. By standardizing acceptance criteria for geometry, substrate readiness, material compatibility, and terminations, teams can confidently confirm durable continuity across substrates and components. The result is reliable shedding of water, protection against UV and thermal movement, and traceable quality for warranty and compliance. You will capture measured evidence such as upstand height, sealant dimensions, fixing centres, and verified slopes, while recording product data and photographs before façade closure. Use this interactive checklist to tick items, add comments with photos, flag defects, and export as PDF/Excel with a QR link for authenticated sharing.	1. Preparation: Gather approved drawings/details, product data, ITP, calibrated tools (tape, digital level, moisture meter, IR thermometer, seam probe, torque driver), PPE, and access equipment. Verify safe access and weather within limits. Plan inspection sequence before façade closure to capture concealed conditions. 2. Using the Interactive Checklist: Start interactive mode, tick items as verified, add time-stamped comments, photos, and measurements. Tag locations on plans, flag nonconformances, and assign actions. On completion, generate a concise PDF/Excel report with embedded photos and a QR link for authentication. 3. Sign-Off: Obtain digital signatures from installer, GC, and consultant. Confirm all punch-list items are closed with corrective evidence. Archive the QR-authenticated export in the project QA repository and distribute to stakeholders per approved project specifications and authority requirements.