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Inspect waterproofing at façade base and plinth interfaces

Inspect waterproofing at façade base and plinth interfaces with an interactive checklist. Commentable steps, measurable tolerances, and export as PDF/Excel for audit-ready records.

Project:
Date:
Filled by:

Pre-Inspection Setup	
1	Review latest approved drawings, details, and method statements; confirm membrane brand, data sheets, and mixing ratios are current per approved project specifications and authority requirements; record document versions in the checklist.
2	Verify access and edge protection at façade base; install temporary barriers and signage; photograph safe access arrangements and record supervisor’s safety briefing signature.
3	Calibrate and zero-test moisture meter per manufacturer’s procedure; record serial number and calibration date; attach photo of calibration sticker.
4	Establish reference elevations using a laser level; mark finished floor/paving line and target membrane upturn line (≥150 mm above FFL); photograph marks with tape for scale.

Substrate and Plinth Preparation	
5	Check substrate dryness with moisture meter at 2 m intervals; accept if ≤5% MC (or per manufacturer’s limit); log readings and locations on plan.
6	Confirm concrete/masonry soundness by hammer tap test; no drumming or loose laitance; document any repairs and recheck after curing with photos.
7	Verify surface flatness: maximum 3 mm deviation under a 2 m straightedge; grind high spots and fill lows with approved mortar; photograph before/after.
8	Inspect wall-to-plinth junction fillet: continuous 45° cementitious fillet, 20–25 mm leg; no voids; measure at 3 m intervals; photo with ruler.
9	Prepare movement/control joints: install closed-cell backer rod sized 25–50% larger than joint width; apply primer per data sheet; record batch and open time.

Membrane Installation at Base Interface	
10	Apply primer uniformly at manufacturer’s rate (typically 0.3–0.5 L/m²); verify tack-free time before membrane; document ambient temperature and RH; photo of sheen coverage.
11	Install base coat membrane with wet film comb; target wet thickness to achieve dry 1.5–2.0 mm; record readings every 3 m; photo comb reading.
12	Form continuous upturn on façade: minimum 150 mm above finished paving level (or per spec, whichever greater); verify with tape and photo.
13	Overlap sheets/bands: horizontal laps ≥100 mm, vertical laps ≥75 mm; roll with 20–30 kg roller; perform peel check; photo of measured lap.
14	Reinforce corners, terminations, and penetrations with pre-formed pieces or 150 mm reinforcing tape; no fish-mouths; photo each location with label.

Terminations and Flashings	
15	Fix termination bar above upturn: stainless steel screws at 200 mm centres, embed in sealant; torque to manufacturer recommendation; photo close-up and overall.
16	Apply sealant bead 6–10 mm over termination edge; ensure continuous adhesion with no gaps; tool to smooth concave profile; record sealant batch and expiry.
17	Install metal drip/flashings with 10–15 mm drip edge projecting beyond plinth; maintain 1:10 fall; stainless/aluminium as specified; photo underside shadow line.
18	Protect membrane with approved board or render at exposed plinth; fix mechanically or with compatible adhesive; no punctures; photo board label and installed area.

Drainage and Protection	
19	Confirm finished grade or paving falls away from façade at ≥1:50; verify with digital level; photo bubble/reading and chalked fall arrows.
20	Check weep holes/vents at cavity base: centres ≤600 mm; clear of mortar; test with 6 mm probe; photo sequence along façade.
21	Provide gravel drainage strip 300–400 mm wide, 50–75 mm below sill; geotextile separation intact; photo material tags and completed strip.
22	Ensure plinth renders or claddings terminate above paving with 10–15 mm gap; insert insect/rodent mesh where required; photo gauge measurement.

Testing, Handover, and Records	
23	Conduct controlled hose spray test: 12–15 L/min for 10 minutes per 3 m bay; no internal dampness; document video and moisture readings post-test.
24	Perform adhesion test (where permitted): minimum 0.5 N/mm² pull-off; record gauge reading, location, and repair each test spot; photo dolly plate.
25	Capture as-built photos with scale: every 2–3 m, corners, penetrations, laps, terminations, and labels; store filenames against drawing gridlines.
26	Collect material batch numbers, delivery dockets, and installer qualifications; obtain supervisor and inspector digital signatures; export PDF/Excel with embedded QR for authentication.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect waterproofing at façade base and plinth interfaces to ensure a durable, watertight building envelope. This checklist focuses on the critical transition where the façade meets the plinth, addressing façade base waterproofing, plinth interface sealing, and base flashing details. You will confirm substrate condition, membrane specification, termination bars, sealant continuity, drainage provisions, and protection layers—per approved project specifications and authority requirements. By controlling moisture pathways, capillary rise, splash-back, and ponding, you avoid mold growth, finishes deterioration, and structural damage. The outcome is documented compliance, clear acceptance criteria, and repeatable site practice that integrates with trade sequencing. Use this tool during pre-cover inspections, progressive works, and final handover to capture photos, readings, batch data, and signatures. Start interactive mode to tick tasks, add comments for nonconformances, and assign actions. When complete, export as PDF/Excel with QR authentication for audit and client records.	1. Preparation: Gather drawings, approved specs, and data sheets; bring moisture meter, wet film combs, digital level, roller, hand tools, sealant tools, PPE, and marking paint. 2. Preparation: Confirm safe access at façade base, establish FFL references with a laser, and agree inspection hold points with site supervision. 3. Start Interactive Mode: Open the checklist on site, scan QR to authenticate, and load location grids for the specific façade bays. 4. Tick and Comment: Complete items in sequence, attach photos, readings, and batch labels; add comments and assign actions for any nonconformance. 5. Review Evidence: Use built-in filters to view pending items, recent comments, and unresolved punch points before authorizing cover-up works. 6. Export Records: When all actions are closed, export as PDF/Excel with embedded QR, then share to project stakeholders. 7. Sign-Off and Archive: Capture digital signatures from installer, supervisor, and inspector; lock the record, store in project archive, and reference on as-built drawings.