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Inspect Waterproofing at Planter-to-Façade Interfaces

Inspect waterproofing at planter-to-façade interfaces with an interactive checklist. Fully commentable and easy to export as PDF/Excel for sign-off and audits.

Project:

Date:

Filled by:

Pre-Inspection & Controls

1	Review approved drawings, details, and product data specific to planter-to-façade terminations; highlight hold points; obtain written approvals per approved project specifications and authority requirements; attach marked-up set to the checklist.
2	Confirm weather window: no rain forecast for 24 h, ambient 5–35°C, substrate $\geq 3^{\circ}\text{C}$ above dew point; record readings from a calibrated thermo-hygrometer with timestamped photo.
3	Isolate and cap irrigation lines within the planter zone; pressure-relieve and tag-out; photo evidence of caps and isolation tags before waterproofing work resumes.

Substrate & Joint Preparation

4	Verify falls to drains at planter base: slope $\geq 1:80$ (1.25%) toward outlets; tolerance $\pm 0.25\%$; document with a digital level reading and overview photo.
5	Measure substrate surface moisture; acceptance $\leq 5\%$ by mass (or per product data, whichever stricter); record capacitance meter model, calibration date, and readings at three locations.
6	Clean and prepare curb and façade interface: dust-free, laitance removed; apply compatible primer at manufacturer's specified WFT (e.g., $100 \pm 20 \mu\text{m}$); verify with WFT gauge and photo of coverage.
7	Install a continuous fillet at internal curb-to-base corner, 10–20 mm radius using approved mastic; verify radius with fillet gauge and close-up photo before membrane.
8	Inspect façade movement joint at interface: size backer rod 25–33% larger than joint width; ensure bond breaker to prevent three-sided adhesion; sealant depth 6–12 mm; photo with ruler.

Membrane & Terminations	
9	Install base membrane (sheet or liquid) per data sheet; confirm side/end laps ≥ 75 mm for sheets; probe seams, roll under pressure; document with seam probe photo and lap measurements.
10	Verify upstand height at façade termination: ≥ 150 mm above finished soil/mulch level; if FFL unknown, set ≥ 250 mm above base and recheck post-fill; record tape-measure photo.
11	Fix termination bar or reglet at façade per detail; stainless/compatible fasteners at ≤ 150 mm centres, staggered; continuous sealant bead 10 mm; capture close-up photos at 1 m intervals.
12	At penetrations (irrigation sleeves, anchors), install preformed collars or 2-layer patches extending ≥ 100 mm beyond cut; clamp stainless bands where required; pressure-test lines before cover; photo and test log.
13	Transition to façade cladding/flashings: counterflashing overlap ≥ 50 mm with 10 mm drip edge; ensure compatibility with membrane; document with section photo and material batch labels.

Drainage & Overflows	
14	Confirm primary drain inverts at lowest point; install strainers; perform a controlled pond test for 15 min—residual ponding ≤ 5 mm depth; record level readings and photos.
15	Install drainage composite and filter fabric: shingle laps ≥ 100 mm, outlets unobstructed; wrap around drains without blocking perforations; photo with a scale and lap measurement.
16	Set overflow scuppers 25–50 mm above primary drain level; verify free discharge path clear of façade elements; measure elevation difference and photograph flow test with bucket pour.
17	Install root barrier continuous and compatible with membrane; seal laps per manufacturer; terminate ≥ 50 –75 mm above finished soil; record roll numbers and close-ups at corners.

Protection & Backfill	
18	Place protection board over membrane: thickness 3–6 mm, tight-butt, taped where specified; no exposed fasteners penetrating membrane; photo before backfill.
19	Backfill growing media in ≤ 150 mm lifts using light compaction (hand tamp only); keep soil 20–30 mm below overflow; protect façade from staining; photo after each lift.
20	Hydrotest irrigation within planter: pressurize to 0.5 MPa for 30 min; acceptance 0 kPa loss and no visible leaks; attach gauge photo before/after with timestamps.

Testing & Handover	
21	Perform 24 h controlled water test before backfill where permitted: hold water 25–50 mm below termination; acceptance: no leaks and ≤ 1 mm level drop after temperature correction; record log and photos.
22	If flood testing not permitted, conduct electronic leak detection (EFVM or equivalent); acceptance: no breach indications; upload technician report, grid map, and defect clearances.
23	Compile as-builts: photo set with scales, material batch/lot numbers, primers and sealants used, test results, and installer/inspector/consultant signatures per approved project specifications and authority requirements.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect waterproofing at planter-to-façade interfaces to prevent hidden leaks, façade staining, and structural moisture damage. This focused checklist covers planter interface waterproofing, façade joint sealing, and membrane terminations where planters abut walls, cladding, or glazing bases. You'll confirm slopes, substrate moisture limits, primer coverage, upstand heights, and compatible sealant transitions, while validating drainage layers, overflows, and root barriers. The scope stops at the interface zone from planter base and curb upstand to façade transition hardware; it excludes full façade systems, standalone roof fields, or general landscaping. Done correctly, this inspection reduces costly rework, protects interior finishes, and preserves building envelopes by catching defects before protection boards and soil conceal them. Use the steps to demand evidence: calibrated readings, photos with scales, batch labels, and signatures per approved project specifications and authority requirements. Start the interactive checklist now—tick items, add comments, and export your record as PDF/Excel with a secured QR for site posting.	1. Preparation: Gather approved drawings, product data, and permits. Equip with digital level, moisture meter, WFT gauge, probe roller, EFVM kit (if used), pressure gauge, PPE, and cleaning tools. Set weather constraints and isolate irrigation. Establish hold points with stakeholders. 2. Using the Interactive Checklist: Open interactive mode, assign responsible parties, and work item-by-item. Tick completed tasks, attach photos with scales and readings, and add comment threads for issues. Generate and share interim exports to PDF/Excel for daily reports. 3. Sign-Off: Capture final test results and as-built photos. Collect digital signatures from installer, inspector, and consultant. Export the complete, commentable record as PDF/Excel, post the QR-secured link on site, and archive according to project requirements.