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Inspect façade interface with roof membrane terminations

Inspect façade interface with roof membrane terminations using an interactive checklist. Commentable, photo-backed verification with measurements, and export as PDF/Excel for compliance.

Project:	
Date:	
Filled by:	

Pre-Inspection & Documentation	
1	Confirm scope, documents, and environmental readiness before detailed checks.
2	Locate all roof-to-façade termination runs on approved drawings; mark on an as-built plan; capture geo-tagged overview photos; acceptance: every interface identified and traceable to drawing revision.
3	Verify membrane, primer, termination bar, fasteners, flashings, and sealant match approved submittals; record batch/lot numbers; photograph labels and delivery notes; acceptance: materials match submittals and are undamaged.
4	Check weather and substrate moisture: ambient ≥ 5 °C, no precipitation; substrate moisture < 5% by mass using a calibrated moisture meter; record readings with timestamps and photos.
5	Confirm written compatibility from manufacturers for membrane–sealant–metal interfaces; upload letters; acceptance: current, signed documents on file before installation proceeds.

Substrate & Interface Preparation	
6	Verify façade substrate is clean, dry, and sound; use a 2 m straightedge, deviation ≤ 5 mm; remove dust and sharp edges; photo evidence along full length.
7	Check primer application on upstand and tie-in zones: uniform coverage, no pinholes; wet film thickness ≥ 0.25 mm using a wet film gauge; record batch and application time with photos.
8	Confirm termination bar layout is level and clear of façade fixings; snapped line tolerance ± 3 mm over 3 m; mark hole centers; photograph layout marks.
9	Where required, verify through-wall flashing/cavity tray is installed and continuous; drip projects 10–15 mm beyond façade; photo close-ups at corners and laps.

Membrane Upstand & Termination	
10	Measure membrane upstand height from finished roof level: ≥ 150 mm; use a tape with visible scale; capture measurement photos every 2–3 m and at corners.
11	Inspect vertical seam laps: minimum 75 mm, fully bonded, no fishmouths; roll with a 20 kg roller; probe with a seam tester; record probe pass and photos.
12	Check corner reinforcement: preformed corners or double-ply wraps with ≥ 75 mm overlap; no wrinkles or voids; photo each internal and external corner.
13	Verify termination bar installed at top of membrane upstand; fastener spacing ≤ 200 mm centres; embedment ≥ 30 mm into substrate; torque 5–7 N·m; photo of gauge and spacing.

Metal Flashings & Counterflashings	
14	Confirm counterflashing overlaps and covers termination bar by ≥ 50 mm; hemmed drip edges; secure fixings; photo longitudinal and at joints.
15	Check dissimilar metals are isolated with a separation layer/slip sheet; no direct contact with membrane; photo evidence at each transition.
16	If using reglet/chase in masonry, measure cut depth 20–25 mm; clean, dust-free; backer rod sized 25–33% larger than joint; photo with depth gauge.
17	Verify through-wall flashing fall: outward slope ≥ 2%; drip projection 10–15 mm; use a digital level; photo slope reading and drip edge.

Sealant Joints & Finishes	
18	Measure sealant joint at reglet/counterflashing: width 10–15 mm; depth 6–8 mm with backer rod to prevent three-sided adhesion; photo of gauge and installed rod.
19	Verify sealant type: low-modulus, UV-resistant, compatible with substrate and membrane; primer used if required; record product and batch; photo labels and MSDS.
20	Inspect tooled profile: smooth, concave, no pinholes; adhesion to both sides; no smears on finished façade; record application and initial cure time per data sheet with photos.
21	Confirm continuity with façade air/vapour barrier: tie-in membranes lapped ≥ 100 mm, primed and rolled; photo lap measurements and manufacturer-specified tape/adhesive.

Testing, Protection & Handover	
22	Perform 90° peel adhesion test on a representative vertical lap/termination: ≥ 1.0 N/mm at 20 °C (or per manufacturer); document force, location, and photos.
23	Conduct controlled water spray test after cure: nozzle pressure ~200 kPa at 1 m for 10 min per metre of interface; no interior dampness; photo setup and interior inspection.
24	Install temporary protection until façade cladding is complete: compatible tapes/boards, no exposed edges; inspect weekly; photo log of protection condition.
25	Record as-built data: upstand heights, fastener spacing, joint widths, and locations; update marked-up drawing; capture overall and detail photos with a measuring scale.
26	Obtain installer and inspector digital signatures; collect warranty pre-approval; export the checklist to PDF/Excel and attach QR code to the record for verification.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect façade interface with roof membrane terminations is a focused quality-assurance activity that confirms the roof-to-wall termination remains watertight, durable, and compatible with adjoining façade systems. This checklist targets the roof-to-wall termination, parapet upstand interface, and associated flashing and counterflashing elements, keeping scope tightly on the vertical interface where the roof membrane ends. By validating material compatibility, membrane upstand height, termination bar placement, and continuity with the façade’s air and vapour barrier, teams avoid water ingress, wind uplift failures, corrosion between dissimilar metals, and hidden condensation risks. The outcome is a traceable, photo-documented interface that meets approved project specifications and authority requirements, supports warranty acceptance, and minimizes rework when cladding arrives. Use this interactive tool to tick each requirement, add field comments for punch items, and capture batch numbers, measurements, and torque settings. When complete, export as PDF/Excel and secure records with a QR code for easy retrieval and site-side verification.	1. Preparation: Review approved details and specs; assemble tools (tape, 2 m straightedge, moisture meter, wet film gauge, seam probe, 20 kg roller, torque wrench, digital level, spray nozzle with pressure gauge, camera/phone); ensure safe access and fall protection; verify dry weather and substrate readiness. 2. Using the Interactive Checklist: Start interactive mode, tick items as you verify, attach geo-tagged photos and measurements, add comments for defects, assign actions to trades, and link batch numbers. Generate a location QR to revisit the exact interface later. 3. Sign-Off: Capture installer/inspector digital signatures, add test results, and upload manufacturer confirmations. Export as PDF/Excel for stakeholders, archive records, and validate authenticity via the embedded QR code for audit or warranty submission.