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Inspect Aluminum Cladding Corners & Edge Terminations

Inspect aluminum cladding corner details and edge terminations with an interactive checklist. Fully commentable, photo-backed steps you can export as PDF/Excel for compliant handover.

Project:	
Date:	
Filled by:	

Substrate, Support, and Brackets	
1	Check substrate plumb at external corners: deviation ≤ 3 mm over 2 m using a 2 m level; photograph bubble position and record readings.
2	Verify corner bracket layout: first bracket/fastener ≤ 150 mm from the corner, spacing per drawings ±10 mm; measure with tape and mark on photo.
3	Confirm isolation pads/thermal breaks at all brackets: non-conductive, ≥ 3 mm thick, fully bearing; capture material datasheet and installed close-ups.
4	Torque-test bracket bolts with calibrated wrench: within manufacturer range; record sample size (≥10%) and torque values on checklist with tool calibration photo.
5	Inspect support corrosion protection: no bare metal, coating intact; for painted items measure DFT 60–80 µm with gauge; log readings and photos.

Corner Profiles and Junctions	
6	Confirm corner profile type matches approved detail: check label, alloy, finish; photograph packaging, profile section, and drawing reference.
7	Dry-fit corner to verify angle: 90° ± 1° using a digital angle finder; joint step ≤ 0.5 mm measured with feeler gauge; photo evidence.
8	Inspect closure pieces/back pans at corners: continuous air barrier, overlaps ≥ 25 mm, sealed and riveted ≤ 150 mm centres; record rivet spacing and seal continuity.
9	Verify fire-stopping at corner cavities where required per approved project specifications and authority requirements; capture product labels, density markings, and installed condition photos.
10	Check panel engagement with corner extrusion: full bite, no visible daylight; clip/screw fully seated; photo from both elevations.

Edge Terminations and Drips	
11	Measure sill/head drip projection: ≥ 20 mm beyond face; slope ≥ 5° using inclinometer and tape; photo side profile with measurements.
12	Verify hemmed edges: hem depth 10–15 mm, no sharp burrs; check with calipers and glove test; document min/max and condition photos.
13	Check edge flashing overlaps: underlaps ≥ 50 mm with sealant/tape; stitch-fix at ≤ 200 mm centres; measure and photograph fastener spacing.
14	Inspect parapet cappings: drip grooves set ~10 mm from edge, joint gaps 6–10 mm with cover plates; confirm continuity via underside photos.
15	Confirm end dams at terminations: turned up ≥ 20 mm, sealed to substrate; water-test locally with bottle (0.5 L) and observe; document run-off path.

Sealants, Gaskets, and Tapes	
16	Verify sealant joints: width 8–12 mm, depth ≈ half width with backer rod; tool to concave finish; record batch/expiry and adhesion probe check.
17	Check backer rods: closed-cell, 25% larger than joint, not stretched or punctured; capture packaging label and in-situ continuity photos.
18	Inspect gaskets/EPDM at corners: continuous, splices bonded at 45°, no fishmouths; perform light pull test; photo before/after.
19	Confirm pressure-equalizing/breathable tapes on outer line only; overlaps ≥ 50 mm; avoid bridging; record manufacturer roll IDs and close-ups.

Alignment, Tolerances, and Finishes	
20	Check uniform panel-to-profile gaps: 6–10 mm; variation ≤ 2 mm within 2 m; use feeler gauges and document min/max readings.
21	Assess panel plane across corner: step ≤ 2 mm using 600 mm straightedge spanning joint; photo gauge placement and reading.
22	Inspect coating near corners/edges: no scratches through finish; powder DFT 60–80 µm; record three readings/location with gauge photos.
23	Confirm protective film removal timing: removed before sealant application or within 30 days; no adhesive residue; bag and photograph waste.

Testing, Documentation, and Handover	
24	Perform localized water spray check at corners/edges per approved project specifications and authority requirements; no interior wetting; video and still photos as evidence.
25	Compile product certificates: aluminum alloy/temper, finish warranties, sealant batch data; attach PDFs/photos to checklist records.
26	Complete snag rectifications: deburr sharp edges, reseal pinholes, replace damaged trims; mark before/after photos with dates and approver initials.
27	Capture as-built photos: orthogonal shots of each corner and termination, include tape/level in frame; label elevations and gridlines.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect aluminum cladding corner details and edge terminations is a focused quality-control task covering external corners, panel returns, edge flashings, drips, and cappings. This checklist targets façade supervisors, installers, and inspectors ensuring tight sealant joints, correct profiles, and compliant fixings. It addresses alignment, plumb, gap tolerances, and weatherproofing at corners and termination points, including sill drips and jamb edges. By standardizing checks for substrate readiness, corner profiles, edge hem geometry, sealants, and water-management features, teams avoid water ingress, oil-canning, galvanic corrosion, and premature coating failures. The outcome is a consistent visual line, controlled drainage, and documented conformity to approved project specifications and authority requirements. Practical methods include using a 2 m straightedge, digital angle finder, torque wrench, calipers, and DFT gauge to record objective evidence. Use this interactive checklist to tick tasks, add comments, attach photos, and export results as PDF/Excel with a secure QR code for traceable sign-off.	1. Preparation: Review approved drawings and details; assemble 2 m straightedge, digital angle finder, torque wrench, feeler gauges, calipers, DFT gauge, inclinometer, PPE, access equipment, and cleaning materials. 2. Site readiness: Confirm safe access, weather is dry and ≥ 5 °C, substrates are fixed, and materials are on hand with labels visible for documentation. 3. Start interactive mode: Open the checklist on a mobile device, select location/elevation, and enable photo attachment with automatic time and GPS tagging. 4. Tick and comment: Complete each item, record measurements, add comments for deviations, and attach close-up photos showing tools and readings in frame. 5. Collaborate: Mention responsible parties in comments, request approvals, and link RFIs or sketches to clarify field adjustments and acceptance decisions. 6. Export: Generate a commentable register and export as PDF/Excel with embedded photos and measurement logs for stakeholder review. 7. Sign-off: Capture digital signatures from installer, inspector, and client; secure records with a QR code for authenticity and future audits. 8. Archive: Store files in the project folder structure and tag by gridline/elevation to simplify closeout and maintenance handover.