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Inspect head, jamb, and sill seal continuity at openings

Inspect head, jamb, and sill seal continuity around openings with an interactive checklist that is commentable and can export as PDF/Excel, ensuring documented weatherproofing on site.

Project:
Date:
Filled by:

Pre-Inspection Conditions	
1	Confirm latest approved details for head, jamb, and sill seals are on hand; compare opening type and substrate to drawings; upload a photo of the referenced detail with revision noted.
2	Verify weather window: no precipitation, substrate temperature 5–35 °C, wind speed < 8 m/s; record thermometer and anemometer readings with a photo of displays.
3	Check substrates dry and clean: wood moisture ≤ 15% (moisture meter), concrete/metal visibly dry and dust-free (white rag wipe test); upload readings and wipe-test photo.
4	Confirm materials match specifications: sealant type/colour, primer, backer rod diameter 25–50% larger than joint width, tapes/flashing; photograph product labels showing batch/lot and expiry dates.
5	Ensure safe access at elevation: secured ladders/scaffolds and clear working platform ≥ 600 mm wide; capture a context photo and daily safety sign-off.

Head Seal Continuity	
6	Measure head flashing/tape shingle-lap over WRB ≥ 75 mm and overlap onto jamb flashing ≥ 50 mm; photograph with measuring tape visible.
7	Inspect sealant bead at head perimeter: continuous concave profile, width 8–12 mm, no voids/holidays > 5 mm; capture close-up photos along entire length.
8	Verify backer rod at head joint: diameter 25–50% over joint width; bead thickness ≈ 50% of width; confirm with depth probe or gauge card and record measurements.
9	Probe head bead with blunt tool along 100% of length; acceptance: no gaps or skips > 1 mm; note any repairs and retake photo evidence.
10	Check head end dams/terminations: upturns ≥ 25 mm, sealed to jamb elements; verify positive slope to exterior; upload measurement and detail-matching photo.

Jamb Seal Continuity	
11	Confirm continuous sealant at jamb-to-frame interface: width 8–12 mm with two-sided adhesion; light probe should show cohesive stretch, not edge release; capture photos.
12	Verify jamb flashing/tape continuity: vertical strips extend beyond sill and under head with overlaps ≥ 75 mm; measure laps and photograph with scale.
13	Inspect backer rod along jambs: continuous, no gaps; if spliced, provide diagonal overlap ≥ 50 mm; photograph before sealant placement where visible.
14	Check fastener penetrations near jamb seals: none within 25 mm without sealing; any penetrations must be sealed with compatible material; provide close-up photos.
15	Assess insulation/foam behind trims at jambs: low-expansion foam fills depth without bowing frame; residual gaps ≤ 1 mm (feeler gauge); document with interior/exterior photos.

Sill Seal Continuity	
16	Confirm sloped sill or pan: slope ≥ 6° to exterior; verify continuous pan flashing with corner reinforcement; photograph level/angle indicator and pan condition.
17	Inspect sill pan corners and end dams: upturns ≥ 25 mm, fully sealed transitions to jambs; upload corner close-ups with measuring scale.
18	Check sill-to-frame sealant/gasket continuity while keeping weep paths open; confirm weep holes unobstructed and clear; provide probe photo through weep path.
19	Verify compression gasket/threshold seal continuity: no cuts, joint gaps ≤ 1 mm (feeler gauge); record length checked and capture macro photos.
20	Perform localized controlled spray at sill (2–3 L/min for 5 min) while observing interior; acceptance: no moisture penetration; document nozzle type, flow rate, and observations.

Transitions and Terminations	
21	Inspect three-way corners where head, jamb, and sill meet: install compatible transition pieces extending ≥ 75 mm each leg; photograph after tooling.
22	Verify primer use and adhesion across dissimilar materials (e.g., metal to masonry): gentle peel check shows no edge lift; document primer product and photo evidence.
23	Confirm termination beads are neatly tooled at 45° covering tape/flashing edges by ≥ 6 mm; capture raking-light photos to show continuity.

Documentation and Sign-Off	
24	Capture geo-tagged photos at head, both jambs, and sill with measurement scales visible; verify metadata saved in the report.
25	Record all material batch/lot numbers, colours, and expiry dates used at the opening; upload label photos and enter data in fields.
26	Obtain installer and inspector digital signatures confirming continuous seals around head, jamb, and sill per approved project specifications and authority requirements.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect head, jamb, and sill seal continuity around openings is essential for durable, weatherproof fenestration. This checklist focuses on continuous air and water barrier transitions, sealant and flashing continuity, and reliable interfaces at window and door perimeters. We limit scope to head, jamb, and sill seals only—no structural assessments or full performance testing—so inspectors and installers can concentrate on watertightness, airtightness, and thermal performance where failures commonly start. Poor continuity allows water ingress, air leakage, mold growth, and energy loss; strong continuity preserves finishes, protects insulation, and maintains warranties. You will verify substrates, laps, bead dimensions, end dams, backer rods, gaskets, and transitions across dissimilar materials, using simple tools such as probes, feeler gauges, moisture meters, and measuring tapes. Evidence capture—photos with scales, readings, and lot numbers—creates traceable compliance per approved project specifications and authority requirements. Start in interactive mode to tick items, add comments, and export PDF/Excel; share the QR-linked report with stakeholders.	1. Preparation: assemble drawings/details, sealant data sheets, gauge card, calipers, moisture meter, measuring tape, feeler gauges, probe, spray bottle (2–3 L/min), PPE, and safe access. Verify dry, clean substrates and a suitable weather window. 2. Start Interactive Checklist: open the checklist on your device, select the specific opening, enable tick mode, and proceed item-by-item. Attach geo-tagged photos and material label images as you go. 3. Use Comments and Photos: add notes for observed defects, tag responsible parties, and request corrective actions. Capture raking-light close-ups and include measurements or readings directly in the comment thread. 4. Sign-Off and Export: finalize by capturing installer/inspector e-signatures, then export the commentable report as PDF/Excel. Share the QR-authenticated file with stakeholders and archive per project requirements.