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Inspect curtain wall pressure plates & gasket continuity

Inspect curtain wall pressure plate installation and gasket continuity with an interactive checklist: commentable, export as PDF/Excel. Ensure torque checks.

Project:	
Date:	
Filled by:	

Documentation and Materials Verification	
1	Confirm latest approved drawings/specifications for pressure plates and gaskets are on site; method: review document control; acceptance: current revision only; evidence: photos or links with revision/date and inspector initials.
2	Verify pressure plates match approved profile/alloy/finish; method: steel rule measurement and marking check; acceptance: correct profile, undamaged surfaces; evidence: lot numbers and labeled photos.
3	Check gasket type and durometer; tool: Shore A durometer; acceptance: within submittal value ±5 Shore A; evidence: batch labels and gauge reading photo.
4	Confirm sealants/lubricants/cleaners are compatible with gaskets; method: review SDS and manufacturer compatibility; acceptance: per approved project specifications; evidence: SDS, expiry dates, and product photos.

Subframe and Alignment Readiness	
5	Inspect mullion pressure faces for flatness; tool: 1 m straightedge and feeler gauge; acceptance: deviation ≤1.5 mm; evidence: photo with gauge reading visible.
6	Verify fastener hole diameter and position in pressure plates; tool: calipers/template; acceptance: within drawing tolerance ±0.5 mm; evidence: three measurements per plate recorded and photos.
7	Ensure mating surfaces are clean, dry, and free of debris; method: lint-free solvent wipe; acceptance: wipe remains clean with no residue; evidence: before/after photos.
8	Confirm drainage/weep paths at mullions/transoms are clear; method: visual/borescope; acceptance: unobstructed openings; evidence: close-up photos of each weep.

Pressure Plate Installation	
9	Dry-fit pressure plate to confirm splice gap and edge distance; tools: steel rule/feeler gauge; acceptance: dimensions match drawings ±2 mm; evidence: measured readings and photo.
10	Apply required isolators or setting tapes between plate and frame; method: install per manufacturer; acceptance: continuous, wrinkle-free, full contact; evidence: close-up photos along length.
11	Tighten fasteners in recommended sequence using a calibrated torque wrench; acceptance: torque within specified range per approved project specifications; evidence: torque log and calibration certificate attached.
12	Verify fastener spacing and pattern; tool: tape measure; acceptance: per drawings ±5 mm; evidence: three readings per bay and location photo.
13	Check plate seating uniformity along length; tool: 0.5 mm feeler gauge; acceptance: no gauge pass under seated areas; evidence: photos at midspan and ends.
14	Confirm splice alignment and flushness at joins; tool: straightedge; acceptance: offset ≤1 mm; evidence: photo with straightedge reference.

Gasket Continuity and Sealing	
15	Install interior/exterior gaskets continuous without twists; method: hand-run with light talc; acceptance: uniform compression line; evidence: continuous-run photos per bay.
16	Form corners with pre-moulded or vulcanized mitres where specified; acceptance: tight, fully bonded interfaces; evidence: corner close-ups and adhesive batch numbers.
17	Create field splices as square butt joints with slight pre-compression; tools: sharp blade, approved adhesive; acceptance: no visible gaps or steps; evidence: photos and adhesive lot record.
18	Check gasket stretch and seating; method: mark a 200 mm segment before install and re-measure; acceptance: stretch ≤2%; evidence: measurement photo.
19	Verify continuity across mullion/transom intersections; method: continuity clip or sealant bridge per manufacturer; acceptance: uninterrupted air/water path; evidence: intersection photos.

Drainage and Weatherseal Function	
20	Confirm weep baffles and slots are not obstructed by gasket tails; method: probe with plastic pick; acceptance: clear opening; evidence: close-up photos.
21	Apply end dams or terminal sealant at pressure plate ends where detailed; method: tool a continuous bead; acceptance: full contact, no voids; evidence: photos and sealant batch/expiry.
22	Perform localized drip test on exterior gasket line; method: pour ~0.5 L water over 5 min; acceptance: no interior bypass; evidence: video/photo with time stamp.
23	Verify interior air seal continuity adjacent to plates; method: smoke pencil under slight negative pressure; acceptance: no smoke leakage; evidence: video/photo.

Final QA and Records	
24	Complete a torque map for every fastener location; method: digital log; acceptance: all within specified band; evidence: exported CSV/PDF attached to checklist.
25	Geo-tag and label photos of each bay’s gaskets, splices, corners, and weeps; acceptance: full elevation coverage; evidence: filenames include grid/bay reference.
26	Record traceability: pressure plate lots, gasket batches, sealant lots; acceptance: cross-referenced to location; evidence: photos of labels and delivery notes.
27	Obtain installer QC and superintendent sign-offs; acceptance: all punch items closed; evidence: digital signatures and dates in the checklist.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect curtain wall pressure plate installation and gasket continuity. This focused checklist supports curtain wall gasket inspection, pressure plate torque verification, and weatherseal continuity checks on site. It targets the interface where pressure plates clamp framing and gaskets must remain continuous to maintain air and water resistance. By following these steps, teams avoid common failures such as uneven compression, twisted or stretched gaskets, blocked weeps, and out-of-band torque that can lead to leaks, rattling, or premature seal degradation. The scope covers documentation, substrate readiness, pressure plate installation sequence, gasket splices and corners, drainage continuity, and evidence capture. It excludes unrelated topics like glass setting blocks, structural anchorage design, and whole-elevation water testing beyond localized checks. Acceptance relies on approved drawings, manufacturer instructions, and authority requirements, with field tolerances and measurable cues for rapid decisions. Use this interactive tool to tick items, add comments, upload photo/video evidence, and export your record to PDF/Excel with a QR for authentication.	1. Preparation: Bring calibrated torque wrench, straightedge, feeler gauges, tape measure, Shore A durometer, smoke pencil, borescope, PPE, and approved drawings/submittals. Ensure site access, safe working platforms, weather protection for sealants, and power/data connectivity for uploading photos and logs. 2. Using the Interactive Checklist: Start a new inspection, select grid/bay, and enable tick-and-comment mode. Add photos/videos to each item, tag locations, and attach documents. Use the app to time-stamp torque logs, then export progress snapshots to PDF/Excel for team review. 3. Sign-Off: Resolve comments and close punch items. Capture installer and superintendent digital signatures, lock the record, and distribute the export to stakeholders. Archive the signed set with QR authentication for later audits and authority reviews.