



Inspect Curtain Wall Glass Setting Blocks and Edge Clearances

Inspect curtain wall glass setting blocks and edge clearances with an interactive checklist that is commentable and can export as PDF/Excel for safe, uniform, documented glazing.

Project:

Date:

Filled by:

Documentation & Conditions

1	Open approved shop drawings and glazing specs; confirm block type, dimensions, hardness, and edge clearance requirements; attach current revisions to the checklist as evidence.
2	Verify frame plumb, level, and square using a spirit level and diagonal measurements; record readings and photos; proceed only if within project tolerances.
3	Confirm environmental conditions suitable for glazing (temperature, wind, precipitation); record ambient temperature (°C) and wind speed (m/s) with a handheld meter.
4	Check that required approvals for glass type and setting block material are issued; upload approvals and manufacturer datasheets to the record.

Tools & Materials Verification

5	Calibrate calipers, durometer (Shore A), and feeler gauges before use; photograph calibration labels and note dates on the checklist.
6	Inspect setting block packaging for manufacturer, batch, and expiry; photograph labels; confirm block hardness matches specification (record durometer reading ± 1 Shore A).
7	Measure block length, width, and thickness with calipers; confirm dimensions per drawings (record to 0.5 mm) and capture photos against a scale.
8	Verify chemical compatibility of blocks and edge spacers with sealants/gaskets using approved compatibility reports; upload report references and acceptance letters.

Setting Blocks Installation

9	Place two setting blocks at quarter points along the sill per unit width; mark measured locations with a non-permanent marker and photograph.
10	Confirm blocks bear fully on the frame substrate (no rocking); use a 0.05 mm feeler gauge to check for gaps; shim or reset if gaps exceed gauge.
11	Check block adhesion or mechanical retention (if specified) using manufacturer's method; document adhesive type, lot number, and curing status with photos.
12	Verify block thickness achieves specified glass edge clearance at sill; measure with calipers; record achieved clearance to 0.5 mm.
13	Ensure blocks are free of debris and burrs; wipe with lint-free cloth and approved cleaner; photograph clean bearing surfaces before setting glass.
14	Confirm block compressive load capacity suits glass weight; record glass dimensions, type, and calculated mass; note manufacturer allowable load and safety factor.

Edge Clearances & Centering	
15	After setting the lite, measure edge clearances at four sides using feeler gauges; record each side's minimum and maximum values to 0.5 mm.
16	Verify glass is centered in the pocket; measure opposing clearances; confirm difference within drawing tolerance; record delta and photo with gauge in place.
17	Confirm specified glass bite (edge cover) is maintained; measure visible bite with a depth gauge or template; record reading and acceptance per drawings.
18	Check that temporary spacers or location blocks used during setting are removed or retained only if specified; photograph condition after removal.
19	For IGUs, confirm the edge spacer is not in contact with frame; use a borescope or mirror to visually verify; capture close-up images.

Movement, Contact & Protection	
20	Verify no glass-to-metal or glass-to-fixings contact at any edge; sweep a 0.1 mm feeler gauge; if contact found, re-center and re-measure.
21	Confirm designed movement allowance for thermal/sway is available (sum of clearances per side); record calculation and compare with specification.
22	Inspect gaskets or tapes adjacent to edges for correct seating without twisting; photograph continuous seating and record any splices or joints.
23	Apply protective edge guards or temporary retainers if required; verify they do not reduce clearance; photograph installation and note removal plan.

Records & Sign-off	
24	Attach marked-up photos showing block positions, measured clearances, and glass ID; include unit number and elevation grid reference.
25	Log installer and inspector names, date/time, and instrument IDs; capture digital signatures within the checklist platform for traceability.
26	Confirm compliance "per approved project specifications and authority requirements"; mark status (Accepted/Rejected), note punch items, and issue the QR-linked report.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect curtain wall glass setting blocks and edge clearances is a precision task that safeguards glass from stress, contact, and premature failure. This checklist focuses on the glazing packers (setting pads) that carry dead load and the consistent edge clearance that preserves glass bite and movement. It addresses monolithic and insulating glass units (IGUs) within curtainwall framing, without extending into unrelated pressure-plate or anchor inspections. You will verify setting block hardness, placement at quarter points, length and thickness per approved drawings, and uniform clearances around the glass perimeter. The outcome is stable support, centered lites, and protected edges for durable performance, watertightness, and thermal movement. By documenting measurements, photos, and batch data, you reduce risks like edge contact, chipping, sealant incompatibility, frame racking transfer, and warranty disputes. Use this interactive checklist to tick items, add comments, and export your record as PDF/Excel with a QR for traceable sign-off.	1. Preparation: stage calibrated calipers, feeler gauges, durometer (Shore A), spirit level, borescope/mirror, lint-free cloths, approved cleaners, PPE (gloves, eye protection), access equipment, and current shop drawings/specifications. 2. Create a new inspection in the app, select elevation and unit IDs, and preload manufacturer datasheets, compatibility reports, and environmental limits relevant to the glazing scope. 3. Using Interactive Mode: tick each item as you measure, attach photos with scales, enter readings to the nearest 0.5 mm/Shore A, and log batch numbers. Add comments and assign corrective tasks if deviations appear. 4. Coordinate fixes: re-center glass, replace blocks, or clean seats as required. Re-measure affected points, update evidence, and close tasks with responsible party, due date, and verification photos. 5. Export and share: generate a commentable report and export as PDF/Excel including photos, readings, and drawings. Enable QR on the cover page for field retrieval and verification. 6. Sign-Off: capture installer and inspector digital signatures, confirm compliance per approved project specifications and authority requirements, archive the QR-authenticated record, and distribute to stakeholders.