



Generated file by QChecklists  
<https://quollnet.com>

# Install wall joint waterstops: wall-joint-only checklist

Install wall joint waterstops with this interactive checklist. Commentable steps, evidence capture, and export as PDF/Excel ensure compliant, traceable wall joint installations.

Project:
Date:
Filled by:

## Pre-Pour Verification

1	Confirm scope excludes slab joints; highlight wall joints only on drawings and ITP. Obtain supervisor sign-off and photo of marked drawings.
2	Verify approved waterstop type, width, and profile per project specifications; record product data, lot numbers, and delivery dockets with photos.
3	Inspect storage: waterstops straight, clean, shaded, 5–35°C; log temperature and capture storage condition photos.
4	Review joint layout for continuous path across construction/expansion joints, corners, and penetrations; markup continuity on drawings and attach to checklist.

## Materials & Tools

5	Prepare calibrated thermostatic heat welder (per manufacturer range), splicing jigs, clamps, guillotine cutter; attach calibration certificate and tool photos.
6	Provide stainless tying wire or hog rings, approved clips, and tie spacing template at 150–200 mm centres; photograph kit before use.
7	Check stop-end/bulkhead forms with central slot sized to waterstop width $\pm 2$ mm; record measurement and photo of slot gauge.

## Placement & Alignment

8	Mark joint centerline on rebar or formwork; tolerance $\pm 5$ mm. Capture measurement photo with steel rule.
9	Position the waterstop centrally in wall thickness; verify equal embedment each side within $\pm 10$ mm using gauge rod; record readings.
10	Align bulb/dumbbell without twist; twist $\leq 5^\circ$ . Photograph along length showing flat flanges and straight profile.
11	Maintain minimum 50 mm concrete cover to reinforcement and ensure unobstructed concrete flow paths; document with photos.
12	Anchor using factory eyelets or flange fastening only; do not puncture the bulb/web. Take close-up photo of fixings.

Splicing & Transitions	
13	Cut ends square with guillotine; clean and dry faces; bag off dust. Photograph prepared ends prior to welding.
14	Heat-weld butt splices in jig; confirm continuous weld bead 3–5 mm wide with no voids; perform bend/peel check and take photos.
15	Use pre-moulded tees/crosses/corners where required; if field-fabricated, assemble per manufacturer guidance and record approval with close-up photos.
16	Locate splices $\geq 300$ mm from corners or bulkheads; mark splice stations on drawings and tag on the element; attach map photo.

Securing & Concrete Operations	
17	Tie flanges to rebar at 150–200 mm centres; ties snug, no distortion. Provide sequence photos every 1.5 m.
18	Fix to formwork with brass nails/clips through flanges only at 200 mm centres; nail heads flush; capture close-ups.
19	Install protective cover over exposed half before first pour; remove before second pour; document installation and removal with timestamps.
20	Maintain $\geq 50$ mm clearance from internal vibrators to the bulb; brief crew and log toolbox talk with signatures.
21	Seal bulkhead slot and interfaces to prevent grout loss using approved foam/mastic; inspect edges and take photos pre-pour.

Inspection & Records	
22	Verify continuity end-to-end with visual trace; no gaps or misalignment; produce photo map with stationing.
23	After first lift set, confirm exposed half is clean, undamaged, and protected; photo evidence and QA sign-off required.
24	Before closing second side, recheck alignment, ties, and all splices; record checklist status and engineer's signature.
25	Compile as-builts: splice locations, lot numbers, elevations, and photos; upload to document control with QR link.
26	If damaged, repair with approved patch piece extending $\geq 150$ mm each side; re-weld, re-inspect, and close NCR with photos.

**Comments:**

Filled by:

Signature:

Introduction	How to use this checklist
<p>Install wall joint waterstops is a focused task that demands precise wall joint waterstop placement, reliable PVC waterstop splicing, and disciplined securing methods to ensure watertight concrete walls. This checklist covers construction and expansion joints in walls only—slab joints are explicitly excluded. You will verify approved materials, centralize the profile within wall thickness, perform correct butt and intersection splices, and lock the waterstop to reinforcement and formwork without twisting or puncturing the bulb. It also guides continuity inspections, pour sequencing, and vibration clearances to prevent displacement and honeycombing. By following these steps, you reduce leakage risks, avoid costly remedial injections, and deliver traceable quality records per approved project specifications and authority requirements. Use this interactive checklist to tick items in real time, add comments with photos, and export your sign-off as PDF/Excel secured by a QR code.</p>	<p>1. Preparation: gather approved wall waterstops, calibrated heat welder and jigs, tying materials, gauges, PPE, drawings, and ITP. Brief crew on wall-only scope; exclude slab joints. 2. Open the checklist on your device, select project, location, and joint ID. Attach relevant drawings and product approvals to the record. 3. Start Interactive Mode: tick items as you proceed, add comments, and upload photos (splices, ties, gauges) directly at each step. 4. Use Flags: mark nonconformities, assign actions, and set due dates. Track repairs (e.g., splice patches) with before/after photos. 5. Export and Share: generate PDF/Excel with embedded photos and location data. The document includes a QR code for authenticity. 6. Sign-Off: capture digital signatures from contractor, QC, and engineer. Distribute to stakeholders and archive in document control.</p>