



Apply Horizontal Spray-Applied Membranes Checklist: QA Guide

Apply horizontal spray-applied membranes with an interactive checklist—commentable and export as PDF/Excel. Verify coverage, rebound control, adhesion, curing, and protection on horizontal work.

Project:
Date:
Filled by:

Pre-Application Controls

1	Confirm the selected system is spray-applied (not roll-on liquid). Attach product datasheet and approval.
2	Verify substrate is clean, sound, and dry; no standing liquid. Photograph surface and record moisture readings per manufacturer.
3	Confirm surface profile matches specification (e.g., ICRI CSP range). Document comparator reading and location grid.
4	Record ambient/substrate temperatures and relative humidity; ensure ≥ 3 °C above dew point. Attach hygrometer/IR thermometer readings.
5	Mask terminations, drains, and adjacent finishes; install wind screens. Photo evidence of controls before spraying.

Equipment & Nozzle Setup

6	Calibrate pump and nozzle per manufacturer; record pressures, component temperatures, and hose heat settings with a calibration photo.
7	Spray test panel; confirm uniform fan and atomization. Measure wet film thickness at five points using a comb gauge; log results.
8	Set nozzle distance 300–500 mm and 90° angle to substrate. Capture a short video and note operator name.
9	Stage rebound/overspray collection: trays, tarps, and labeled waste bins. Photo location plan with capacities.

Application & Coverage Control

10	Apply first pass to 50–60% of target thickness. Verify wet film at 1 m grid; acceptance within $\pm 10\%$ of target.
11	Apply cross-pass to eliminate ridges; maintain overlap 50% with steady traverse speed. Photo showing overlap pattern.
12	Record coverage yield (m^2 per kg/L) versus plan; acceptance within -5% to $+10\%$. Attach calibrated scale or batch reconciliation sheet.
13	Detail edges, penetrations, and terminations with continuous wrap ≥ 100 mm beyond interface. Close-up photos confirming no pinholes.
14	Confirm total dry thickness not less than specified using magnetic/ultrasonic gauge after cure; 10 readings per 100 m^2 logged.

Rebound & Overspray Management	
15	Collect rebound immediately; do not re-use. Weigh and log waste mass per 100 m ² ; meet project limit (target ≤ 10% if unspecified).
16	Inspect surface for embedded rebound; remove loose material and re-spray. Acceptance: sound surface verified by coin-tap; photo evidence.
17	Monitor wind with anemometer; stop spraying if wind speed exceeds 8 m/s. Attach readings and hold-point sign-off.
18	Clean adjacent finishes within 15 minutes using approved method. Photos before/after and waste disposal note.

Adhesion & Curing Verification	
19	Perform pull-off adhesion tests (minimum 3 per 500 m ²). Acceptance: ≥ specified MPa; record failure mode and gauge trace.
20	Conduct pinhole/holiday detection using low-voltage wet sponge on cured membrane. Acceptance: zero holidays; attach marked layout.
21	Verify minimum cure time achieved before protection; no liquid exposure during cure. Timestamped photos and curing log attached.

Protection & Handover	
22	Install protection boards or geotextile; full contact without wrinkles. Photos showing overlaps and edge restraint.
23	Check final surface slopes with laser/2 m straightedge; no depressions > 5 mm. Upload level screenshots and grid map.
24	Establish exclusion zone and signage; restrict traffic and point loads. Post QR-linked QA board and capture sign-off photos.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
<p>Apply horizontal spray-applied membranes is a focused field activity requiring disciplined verification of coverage, rebound control, adhesion, and protection on horizontal substrates. This checklist supports spray-applied waterproofing and horizontal membrane application workflows—excluding liquid-applied roll-on or brush coatings—to deliver a uniform, durable barrier. It guides users through pre-application controls, equipment setup, application sequencing, overspray and rebound capture, adhesion pull-off testing, curing verification, and final protection. By emphasizing substrate readiness, dew point and temperature windows, controlled spray passes, and pinhole detection, it helps avoid premature failures, delamination, punctures, and costly rework. The result is a membrane applied to the specified thickness with consistent bond, free of unbonded rebound and surface defects, and appropriately protected before construction traffic or backfilling. Use this interactive checklist to tick tasks, leave clarifying comments, upload photo evidence, and export as PDF/Excel with an embedded QR for secure traceability.</p>	<p>1. Preparation: Assemble product datasheets, approved method statements, calibrated gauges, adhesion test kits, anemometer, moisture meter, PPE, protection boards/geotextile, and waste collection materials. 2. Open the checklist in interactive mode and set the project, area grid, lot/batch IDs, and acceptance criteria per approved project specifications and authority requirements. 3. During work: Tick items in sequence, attach photos and readings (thickness, adhesion, weather), and tag hold points for supervisor review before proceeding. 4. Comment where deviations occur, reference corrective actions, and re-measure. Link comments to exact grid locations for traceability. 5. After application: Complete verification items, log protection installation, and generate punch items for any deferred touch-ups. 6. Export the record as PDF/Excel, including photos, signatures, and data tables. The document includes a QR code for authenticity checks. 7. Sign-Off: Capture digital signatures from contractor, inspector, and client. Distribute the final package and archive it within your document control system.</p>