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Inspect stone cladding anchor installation pre panel hanging

Inspect stone cladding anchor installation before panel hanging with an interactive checklist, commentable and export as PDF/Excel, ensuring compliant inspection

Project:	
Date:	
Filled by:	

Documentation & Approvals	
1	Use the document control log to confirm latest approved shop drawings and method statement on site; verify anchor types, sizes, spacing, and elevations match. Evidence: drawing revision/date, posted set photo, inspector signature.
2	Match material certificates to delivered anchors, bolts, sleeves, and plates; cross-check heat/batch numbers on packaging and certs. Evidence: uploaded mill/CE certs and label photos for each lot.
3	Verify required approvals/permits are in place per approved project specifications and authority requirements. Evidence: permit board photo and permit ID referenced in the inspection record.
4	Confirm mock-up or benchmark panel/anchor assembly acceptance and recorded tolerances to serve as reference. Evidence: signed mock-up approval and photos of accepted details.

Substrate & Layout Verification	
5	Review substrate capacity via compressive strength tests or pull-out trials; accept only if results meet or exceed design requirements. Evidence: attached test reports with location references.
6	Verify as-built grid lines and elevation benchmarks using a total station or laser; tolerance ±3 mm to layout. Evidence: survey screenshots and marked reference points photos.
7	Measure edge distances and anchor spacing with a steel rule or laser; ensure within specified limits to avoid concrete breakout or stone cracking. Evidence: measurement photos with markings.
8	Confirm any required waterproofing/air barrier detailing at penetrations is defined and materials are available before drilling where specified. Evidence: detail reference and material photos.

Anchors & Hardware Inspection	
9	Cross-check anchor type (undercut, expansion, adhesive) and dimensions against the anchor schedule; verify product codes on cartons. Evidence: product label photos and schedule highlight.
10	Verify stainless steel grade/coating per specification (e.g., A2/A4 or approved coating); use magnet check and labeling. Evidence: batch records and packaging photos.
11	Confirm measuring tools are available and in calibration: torque wrench, callipers, depth gauge, levels, and laser. Evidence: calibration stickers/photos and serial numbers.
12	For adhesive anchors, check cartridge expiry dates and storage temperatures maintained at 5–25 °C. Evidence: batch numbers, expiry dates, and temperature log photos.

Fixing, Embedment & Torque Checks	
13	Measure drilled hole diameter and depth with calliper/depth gauge; verify against manufacturer data. Evidence: recorded readings per hole and photo of gauge in hole.
14	Clean holes using brush–blow–brush with oil-free air; repeat as required until dust-free. Evidence: photos of brushes/air nozzle and clean bore; inspector initials.
15	Install verification samples and tighten with a calibrated torque wrench; accept when torque falls within manufacturer's specified N·m range. Evidence: recorded torque values and wrench ID.
16	For adhesive anchors, verify hole dryness and recorded ambient temperature; respect gel and cure times before loading. Evidence: cure timing log and ambient temperature reading.
17	Check bracket plumb and level using a spirit level or laser; tolerance ±2 mm over 1 m. Evidence: photo of bubble/laser reading and bracket ID.
18	Verify shims/isolators are of specified material and thickness; ensure full, uniform bearing without point loading. Evidence: thickness gauge reading and photo of placement.

Alignment, Spacing & Protection	
19	Confirm anchor-to-anchor spacing against layout using tape/laser; tolerance ±5 mm within each set. Evidence: recorded dimension set and annotated photos.
20	Inspect corrosion protection at cut edges/penetrations; apply approved primer/sealant where required. Evidence: product name, lot number, and close-up photos.
21	Install temporary protection and tagging to prevent disturbance prior to panel hanging (barriers, tags, lock-out). Evidence: area photos and tag IDs.
22	Assign a unique ID to each anchor/bracket tied to the drawing grid; update the log for traceability. Evidence: ID-marked photo and entry in register.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Inspect stone cladding anchor installation before panel hanging is a critical control that validates anchor positioning, embedment, and fixing integrity prior to lifting any stone panel. This pre-installation inspection for dry cladding and façade anchor systems addresses undercut, expansion, and adhesive anchors, as well as support brackets and shims. It focuses strictly on the period after drilling/fixing and before panel hanging. By verifying substrates, grid layout, edge distances, torque values, and corrosion protection, you avoid loose fixings, cracked stone, water ingress, and misaligned façades. The outcome is a safe, compliant, and repeatable baseline ready for panel hoisting, with complete traceability of materials, batch numbers, and survey data. Use this interactive checklist on site: tick each requirement, add comments or photos where issues arise, and export to PDF/Excel with a scannable QR for sign-off and future audits.	1. Preparation: Bring approved drawings, anchor schedules, method statement, torque wrench, callipers, depth gauge, spirit level/laser, oil-free air, brushes, sealants, and PPE. Confirm access, lighting, and safe work area boundaries. 2. Project setup: Create a checklist session for the elevation/zone; enter drawing references, grid lines, and team members. Enable photo and file attachments for each item. 3. Using the Interactive Checklist: Start interactive mode, tick items as verified, capture readings in SI units, and add photos or comments where deviations or clarifications arise. 4. Issue resolution: Assign corrective actions from comments, set due dates, and re-inspect only affected anchors/brackets. Link follow-up evidence to the original item. 5. Export: Generate a location-specific report and export to PDF/Excel with embedded photos, readings, and drawing references for review. 6. Sign-Off: Obtain digital signatures from inspector, contractor, and consultant. Distribute the signed report and archive it; authenticate via QR code for traceable records.