



METHOD OF STATEMENT: DRY FIXING MARBLE WALL CLADDING USING FIX BOLTS AND ANCHORS

1. Purpose

To describe the safe installation of marble wall cladding by a dry-fixing system using stainless-steel fix bolts, anchors, brackets, and mechanical restraints.

2. Materials

- Approved marble panels, cut and finished as drawings
- Stainless-steel anchors, bolts, brackets, pins, and kerf clips
- Chemical anchors or approved expansion anchors
- Non-staining shims and packers
- Backer rods and approved neutral-cure silicone sealant
- Protective tape and cleaning materials

3. Tools and Equipment

- Laser level, spirit level, tape measure, and chalk line
- Rotary hammer drill with approved drill bits
- Torque wrench and hand tools
- Marble lifting clamps/suction lifters
- Mobile scaffold or approved access equipment
- PPE: helmet, gloves, safety shoes, goggles, dust mask, and safety harness where required



4. Procedure

1. Verify that the wall substrate is complete, sound, dry, and accepted before commencing work.
2. Check approved shop drawings for panel layout, joint locations, anchor spacing, levels, and setting-out dimensions.
3. Mark the grid lines and panel positions on the wall using laser level. Confirm verticality, alignment, and required joint width.
4. Install the supporting brackets or rails, where applicable, using approved stainless-steel fix bolts and anchors. Drill holes to the required diameter and depth without damaging reinforcement or concealed services.
5. Clean drilled holes thoroughly. Install chemical or mechanical anchors in accordance with the manufacturer's instructions and allow the required curing time for chemical anchors.
6. Tighten bolts to the approved torque. Check that all brackets are firm, level, plumb, and aligned.
7. Prepare marble panels by checking dimensions, colour consistency, edge finish, and pre-cut grooves/kerfs for the anchor clips or pins. Do not install cracked, chipped, stained, or damaged panels.
8. Starting from the bottom row, lift each marble panel carefully into position. Secure it with stainless-steel anchors, pins, clips, or fixing bolts as detailed in the approved drawings.
9. Use non-staining shims/packers to maintain correct line, level, plumb, and uniform joints. Do not use cement mortar or adhesive as the primary fixing material.
10. Continue installation panel by panel, checking alignment regularly with a laser level. Ensure each panel is independently and securely restrained.
11. After all panels are fixed and approved, remove temporary protective materials. Install backer rod and neutral-cure, non-staining silicone sealant to movement joints and perimeter joints where specified.
12. Clean the marble surface using only approved non-acidic cleaning materials. Protect completed work from impact, staining, and other trades.





5. Quality Control

- Use only approved samples, materials, and shop drawings.
- Verify anchor type, spacing, embedment depth, and tightening torque.
- Check panel alignment, plumb, level, joint width, and surface flatness.
- Confirm all mechanical fixings are stainless steel and concealed where required.
- Inspect every completed area before handover.

6. Safety Requirements

- Inspect scaffolding/access equipment before use.
- Wear required PPE at all times.
- Use safe lifting methods and mechanical aids for heavy marble panels.
- Maintain exclusion zones below elevated work.
- Control drilling dust and noise.
- Do not work beneath suspended panels or leave panels unsecured.
- Follow approved risk assessment, permit-to-work requirements, and manufacturer instructions.

7. Acceptance Criteria

The installation will be accepted when marble panels are securely fixed, properly aligned, free from damage or stains, with consistent joints and all anchors/bolts installed as per approved drawings and specifications.