

Statutory basis: Work at Height Regulations 2005; post-installed anchors in concrete and masonry are selected, installed and site-tested to BS 8539:2012, with the anchor tester maintained and used under PUWER 1998; COSHH 2002 for drilling dust and resins, with the workplace exposure limits in EH40/2005 (4th edition, 2020); Control of Vibration at Work Regulations 2005 and Control of Noise at Work Regulations 2005 for drilling; CDM 2015 regs 13 and 15. This document is the recorded safe system of work required by HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5.

1 DOCUMENT AND PROJECT IDENTIFICATION

RAMS REFERENCE	PROJECT / SITE REF	SITE NAME AND ADDRESS	DATE PREPARED	NEXT REVIEW DATE
CLIENT / PRINCIPAL CONTRACTOR	PLANNED START	DURATION	OPERATIVES	SUPERVISING THE WORK

2 SCOPE OF WORKS

Drilling for and installing the post-installed anchors that fix cladding brackets, rails and restraints to slab edges, frames and walls, and proof testing them where the specification requires — from facade access or from the floor at the slab edge — including locating reinforcement, post-tensioning tendons and services, drilling dust, noise and vibration, resin handling and the tester itself.

This document does not cover: the fixing design and anchor selection (the structural engineer's), installing rails, panels and curtain walling on the anchors (KD-RAMS-CL-001, KD-RAMS-CL-002), and anchor systems for personal fall protection.

SITE-SPECIFIC SCOPE, LOCATIONS AND LIMITATIONS

3 RISK ASSESSMENT — SCORE EACH RISK FOR THIS SITE, THEN ADD WHAT IS MISSING

The hazards and controls below are the starting point for this activity, written by a working main contractor. They are not complete for your site until a competent person has scored each risk, added the site-specific hazards, and struck out anything that does not apply. Rate risks High / Medium / Low before and after controls.

1. Drilling into post-tensioning tendons, reinforcement or services

At risk: Operatives, the structure

Controls: Structural drawings checked for post-tensioned slabs before any hole is drilled; tendons located by a ground-penetrating radar survey by a competent surveyor and marked — a cable locator or cover meter alone may not find them; no drilling in a marked tendon zone; if a hole strikes steel in a post-tensioned slab, drilling stops, people are cleared from the line of the tendon, and the engineer decides; walls and soffits scanned for services.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

2. Anchor installed wrongly — shallow, dirty hole, uncured resin — and the bracket later fails

At risk: Everyone below, building users

Controls: Anchor type, diameter, embedment, edge distance and spacing exactly as the fixing schedule states; installed to the manufacturer's instructions and BS 8539:2012 practice — hole depth checked, hole cleaned by the stated sequence, resin cured for the time given for the substrate temperature before any load; each anchor recorded against its location.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

3. Drilling slab-edge anchors from the floor at an open edge

At risk: Operatives

Controls: Edge protection kept in place and drilled past wherever the fixing positions allow; where it must be opened, bay by bay with harness restraint to rated anchors and reinstated before moving on, as KD-RAMS-CL-002 sets; nobody leans over an unprotected edge to reach a hole; drills and fixings kept back from the edge.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

4. Respirable crystalline silica dust from drilling concrete and masonry

At risk: Operatives, others nearby

Controls: On-tool extraction (M-class) or hollow-bit extraction drilling; RPE to the COSHH assessment where extraction alone is not enough — FFP3, face-fit tested; the workplace exposure limit for respirable crystalline silica in EH40/2005 is a maximum, and exposure is kept as far below it as reasonably practicable; no dry sweeping — vacuum only.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

5. Hand-arm vibration, noise and awkward postures from SDS drilling

At risk: Operatives, others nearby

Controls: Low-vibration drills with sharp bits of the right type; trigger time planned against the exposure action value and recorded where the assessment requires; hearing protection where the noise assessment requires it; drilling positioned between waist and chest height, not overhead or overreaching; operatives rotated.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

6. Resin cartridges — skin sensitisation and eye contact

At risk: Operatives

Controls: COSHH assessment for the resin from its data sheet; gloves of the material the data sheet names; eye protection when dispensing; spent cartridges and mixer nozzles bagged, never dropped.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

7. Proof testing — anchor or tester letting go under load*At risk: Tester, others nearby*

Controls: Tests only by a person trained on the tester, to the load and number the specification states; tester inspected and within its calibration date; tester tethered; nobody in line with the anchor during loading; a failed anchor is marked and reported to the engineer, never re-tested until it passes.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

8. Falls from facade access, and bits, anchors and tools dropped from it*At risk: Operatives, people below*

Controls: Access per the facade access plan by trained operators, gates closed, harness where the platform requires; platform load counted with drills, tester and fixings; exclusion zone below; fixings in closed containers; drills and testers tethered where attachment points exist; nothing thrown down.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

Site-specific hazards not listed above — every site has at least one:

HAZARD	WHO IS AT RISK	CONTROLS	INITIAL H/...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- 01 Obtain the fixing schedule and structural drawings; confirm whether any slab is post-tensioned and where tendons and reinforcement run.
- 02 Set out anchor positions; commission the GPR survey where slabs are post-tensioned; mark tendon zones and edge distances and record any clash.
- 03 Check facade access or edge protection at the slab edge, the exclusion below, and the platform load with drills, testers and fixings aboard.
- 04 Drill with extraction to the stated diameter and depth; stop, clear the line and refer any hole that strikes steel.
- 05 Clean each hole by the manufacturer's sequence and check depth before installing.
- 06 Install anchors to the manufacturer's instructions; mark resin anchors with the time and do not load them before the cure time.
- 07 Proof-test the number and load the specification states; record results against each location; mark and report failures.
- 08 Fix brackets only to anchors that are cured and, where tested, have passed; tighten to the stated torque and record it.
- 09 Vacuum the dust, bag resin waste, reinstate any opened edge protection and clear tools before the platform moves.
- 10 Hand the installation and test records to the principal contractor for the building record.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE**5 PLANT, EQUIPMENT AND MATERIALS**

- | | |
|--|--|
| SDS drills with on-tool or hollow-bit extraction (M-class) | Calibrated anchor proof tester |
| GPR survey (post-tensioned slabs); cable avoidance tool | Calibrated torque wrench |
| Resin dispenser, hole-cleaning brushes and pumps | Facade access per the access plan; restraint anchors at slab edges |

INSPECTION / THOROUGH EXAMINATION REFS**COSHH ASSESSMENT REFS****6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST**

- | | | |
|-----------------|---------------------|--|
| Head protection | Gloves — task-rated | FFP3 RPE, face-fit tested, where the assessment requires |
| Safety footwear | Eye protection | Hearing protection where the assessment requires |
| High visibility | Hearing protection | Harness per platform or edge requirements |

RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED**7 PERMITS REQUIRED BEFORE THIS WORK STARTS**

A permit authorises this work in that place, on that day. It extends the safe system of work in this document — it does not replace it (HSE HSG250). The site issues the permit; record its number before work starts.

KD-PTW-WH-006 — Work at Height Permit
For the facade access and slab-edge working.

PERMIT NUMBER

KD-PTW-SC-028 — Permit to Cut or Core Structure

Where the site controls drilling into post-tensioned slabs or other structure under a permit.

PERMIT NUMBER

8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

FIRST AIDER AND LOCATION	NEAREST A&E	ASSEMBLY POINT
HOW THE ALARM IS RAISED	EMERGENCY ACCESS FOR THIS WORK AREA	SPILL / ENVIRONMENTAL RESPONSE

9 BRIEFING RECORD — EVERYONE WORKING UNDER THIS RAMS SIGNS BEFORE STARTING

By signing you confirm the contents of this RAMS have been explained to you, you understand the hazards and controls, and you will work to the sequence stated. Tell the supervisor if the work or the site does not match this document — work stops until it does.

NAME	COMPANY	SIGNATURE	DATE

10 PREPARED AND ACCEPTED

Prepared / adapted for this site by — I confirm I have adapted this document to the site, scored the risks, and that it describes how the work will actually be done.

PRINTED NAME	ROLE / COMPETENCE	COMPANY	SIGNATURE	DATE	TIME

Accepted for the site by — principal contractor or site manager review.

PRINTED NAME	ROLE	COMPANY	SIGNATURE	DATE	TIME

Review this RAMS if the work, the site or the law changes, and at least before each new phase of the works. Flatten the completed PDF before filing so the record cannot be silently edited.

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

Rev	Date	Class	What changed	Authorised by
D0	2026-09-11	first-issue	First issue.	— not yet approved —
A0	2026-09-11	review	Approved for issue by the author. Content unchanged from the reviewed draft; the draft status strip is removed. No independent third-party review has been carried out.	Author — director, UK principal contractor, SMSTS. Not an independent review.

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft, not approved and not for sale; A = approved for issue by the person named, on the date shown.