

Statutory basis: Work at Height Regulations 2005 reg 4 — work at the open reveal planned and carried out so that nobody can fall through the opening; COSHH 2002 — silica dust from drilling masonry and concrete, anchor resins and expanding foam controlled under regs 6 and 7, against the workplace exposure limits in EH40/2005 (4th edition, 2020); Control of Vibration at Work Regulations 2005 for hammer drilling; frame fixing positions and packing to BS 8213-4:2016 and the frame manufacturer's instructions; post-installed anchors selected, installed and, where specified, tested to BS 8539:2012; 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

Fixing window and door frames into formed or existing openings once the frame is in the opening: holding the frame so it cannot fall until it is fixed, drilling masonry, concrete and steel reveals, frame brackets and straps, mechanical and resin anchors, packers, and low-expansion foam — in new build and replacement work.

This document does not cover: lifting the unit to and into the opening (KD-RAMS-GL-006 and KD-RAMS-GL-001), perimeter sealants and solvent cleaners (KD-RA-GL-002), glass handling (KD-RA-GL-001), and the lintel or opening construction (builder's work).

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. A frame falling out of the opening before it is fixed

At risk: People below and outside, the installer

Controls: From the moment a frame is set in the opening until its fixings are made, it is held from the inside by a clamp, prop or restraint strap — never left standing on packers and wedges alone, at a break or while fetching fixings. Exclusion below the opening outside where there is no scaffold with brick guards.

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

2. Falling through the opening while drilling and fixing at the reveal

At risk: Installers

Controls: The opening stays guarded until the frame is fixed; work from inside behind a barrier or restraint where the sill is below waist height, or from a scaffold with its guardrails complete. Nobody leans out through the opening to fix the outside face.

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

3. Respirable silica dust from drilling masonry and concrete

At risk: Installers, others nearby

Controls: Drills with on-tool extraction or a dust shroud on an M-class extractor, with hollow extraction drill bits where the anchor's approval allows. Holes cleaned exactly as the anchor manufacturer requires — typically blow-brush-blow with the hand pump or oil-free air — with the extractor nozzle at the hole mouth and FFP3 RPE, face-fit tested, worn; never blown out by mouth. Exposure kept below the 0.1 mg/m³ limit for respirable crystalline silica in EH40/2005 and as low as reasonably practicable.

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

4. Striking hidden services when drilling, cutting or fixing

At risk: Operatives

Controls: Check drawings and the services register, scan with a CAT before drilling or chasing into existing fabric, respect safe zones, and stop and reassess if an unrecorded service is found.

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

5. Fixings into material that will not hold — lintels, cavity closers, thin or friable reveals

At risk: Future occupants, installers

Controls: Fixing positions, types and centres from the frame manufacturer's instructions and BS 8213-4:2016. No fixing into a steel lintel unless the lintel manufacturer allows it; no fixing that relies on a cavity closer or render alone. Friable or cracked reveals are reported, not packed and fixed anyway. A frame is never forced into an opening to make it fit.

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

6. Resin anchors — sensitising resins, and anchors loaded before they have cured

At risk: Installers

Controls: Resin cartridges handled with the gloves and eye protection the data sheet names. Cure time taken from the manufacturer's table for the actual base temperature before anything is loaded onto the anchor. Anchors installed and, where the specification requires, proof tested to BS 8539:2012, with the record kept.

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

7. Expanding polyurethane foam — isocyanate exposure and eye and skin contact*At risk: Installers*

Controls: Low-expansion window foam only where the specification allows it; gloves and eye protection as the data sheet names; enclosed rooms ventilated; uncured foam removed with the product's own cleaner, never solvent on skin.

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

8. Hand-arm vibration and torque reaction from hammer drilling*At risk: Installers*

Controls: Low-vibration drills with side handles; trigger time counted where the assessment needs it; exposure kept below the exposure limit value of 5 m/s² A(8) and as low as reasonably practicable above the action value of 2.5 m/s² A(8); clutch and speed set for the fixing; drill braced against binding.

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

9. Noise from cutting, fixing and plant*At risk: Operatives, others in the area*

Controls: Select quieter methods and tools where practicable; hearing protection in designated zones and for noisy operations; agree noisy-works windows with the occupier in occupied buildings.

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 Check the fixing schedule, the frame manufacturer's instructions and the anchor data before starting. Confirm what the reveal is made of and whether there is a steel lintel.
- 02 Check the drawings and scan the reveal for services at each fixing position.
- 03 Guard the opening: barrier or restraint inside where the sill is low, or confirm the scaffold guardrails and brick guards outside are complete.
- 04 As soon as the frame is placed, restrain it from the inside with a clamp, prop or strap. Set the exclusion below outside where needed.
- 05 Pack at the fixing positions and check the frame is plumb and square without forcing it.
- 06 Drill with extraction and FFP3 RPE, using hollow extraction bits where the anchor's approval allows. Clean holes exactly as the anchor manufacturer requires, with the extractor nozzle at the hole mouth — never by mouth.
- 07 Install mechanical or resin anchors to the manufacturer's data. Do not load resin anchors until the cure time for the base temperature has passed.
- 08 STOP and report if the reveal cracks or crumbles, a fixing will not hold, a service is found, or the frame has to be forced. Do not improvise a fixing.
- 09 Remove the temporary restraint only when the specified fixings are complete and checked. Apply foam only where specified.
- 10 Vacuum the dust, record anchor tests where required, and leave the opening guarded if the frame is not fully fixed at the end of the shift.

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

- | | |
|--|--|
| SDS drills with on-tool extraction, M-class extractor and hollow extraction bits where allowed | Anchor proof test kit where specified |
| Frame clamps, props or restraint straps | Packers and fixings to the manufacturer's instructions |
| Anchor installation kit — hand pump or oil-free air, brushes, dispenser | Cable and pipe detector |

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) when drilling and cleaning holes in masonry and concrete |
| Safety footwear | Eye protection | Chemical-resistant gloves for resin and foam |
| High visibility | Hearing protection | |

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 fixing from scaffold and at open reveals where the site requires 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.