

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5 — this document is the recorded safe system of work. The test fan, frame and supply are work equipment under PUWER 1998; fans, frames and trailer rigs are handled under the Manual Handling Operations Regulations 1992; sealing high-level openings is work at height under the Work at Height Regulations 2005. Where the building is occupied, the responsible person keeps escape routes and fire safety measures in efficient working order under the Regulatory Reform (Fire Safety) Order 2005, so nothing that serves them is sealed or obstructed without their agreement. The test is prepared and carried out to BS EN ISO 9972:2015 and ATTMA Technical Standard L1.

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

Preparing and carrying out an air-permeability test of a building or dwelling by fan pressurisation: handling and setting the fan and frame in an external doorway, temporarily sealing ventilation and other openings, making combustion appliances and drainage safe, controlling who is inside during pressurisation and depressurisation, and removing every temporary seal afterwards.

This document does not cover: the air barrier and remedial sealing work (the envelope trades), acoustic pre-completion testing, smoke control commissioning, and isolation of fire detection or smoke ventilation beyond what the permit allows.

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. Carbon monoxide drawn into the building from combustion appliances or generators

At risk: Testers, occupants

Controls: Every combustion appliance switched off and unable to fire — boilers, water heaters, pilot lights; open fires and stoves cold with ash removed, or the fireplace sealed. Combustion air vents and flue terminals sealed for the test are on the sealing register, and appliances are restored only after those seals are removed and checked. Generators sited outside, well away from doors, windows and vents.

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

2. Life-safety openings left sealed after the test — smoke vents, dampers, extract grilles

At risk: Building occupants

Controls: Every temporary seal numbered on the sealing register as it is fitted. Automatic opening vents and dampers not disabled without the site's permit. After the test each seal is removed, checked off and the opening seen clear; the register is signed before the tester leaves.

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

3. Escape routes obstructed, or people inside, while the fan runs

At risk: Occupants, other trades

Controls: Building cleared of everyone not involved, or an alternative escape route kept open and known to those inside; entrances locked or supervised and signed; the fan frame removable quickly; arrangements agreed with the responsible person in occupied premises.

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

4. Fan blades, loose materials drawn into the fan, and the frame falling

At risk: Testers, passers-by

Controls: Fan guard fitted before running; frame secured in the doorway to the manufacturer's method; area in front of the fan inlet and outlet clear and barriered; loose sheeting and debris removed.

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

5. Manual handling of fans, frames and trailer-mounted rigs

At risk: Testers

Controls: Fans and frames carried in their cases by two where the weight requires; trailer rigs set on level ground, hitched and unhitched with the jockey wheel and brake, never pushed up slopes by hand; equipment staged close to the doorway.

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

6. Doors slamming, ceiling tiles lifting and light partitions moving under pressure

At risk: Testers, other trades

Controls: Internal doors wedged fully open; suspended ceiling tiles checked secured; other trades told of the test time; pressure raised gradually; drainage traps filled so foul air is not drawn in.

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

7. Falls while sealing high-level vents and openings

At risk: Testers

Controls: Podium, tower or MEWP for seals out of reach from the floor; no reaching from stepladders; tape and film carried in a pouch.

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

8. Electric shock from fan supplies and leads

At risk: Testers

Controls: Fans supplied from an RCD-protected supply; leads inspected before use and routed away from doorways; no supply taken from an unverified socket on a building under construction.

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

9. Lone working during early, late or isolated tasks

At risk: Operatives

Controls: No lone working on higher-risk operations; where low-risk lone work is agreed, a check-in arrangement is in place and the person knows the site emergency arrangements.

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 Agree the test date, time and building state with the principal contractor, and with the responsible person in occupied premises.
- 02 Walk the building; list combustion appliances, combustion air vents, flue terminals, openings to seal, life-safety openings, traps and entrances.
- 03 Arrange for appliances to be switched off, fires and stoves cleared or sealed, and permits for any automatic vent, damper or detection isolation.
- 04 Clear the building of everyone not involved, or confirm the alternative escape route; post signs at entrances.
- 05 Seal openings from safe access, numbering each seal on the sealing register; fill drainage traps; wedge internal doors open.
- 06 Handle the fan and frame into the external doorway; fit the guard, barrier the area, connect to an RCD-protected supply.
- 07 Run the test, raising pressure gradually. STOP if a door, seal or ceiling moves unsafely, anyone enters, or an alarm sounds.
- 08 Switch off and remove the fan and frame; restore the doorway.
- 09 Remove every temporary seal against the register, combustion air vents and flue terminals first; check each life-safety opening is clear; sign the register.
- 10 Restore appliances only after their vent and flue seals are checked removed; restore vents and detection with those who isolated them; close permits and record the test.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

- | | |
|---|--|
| Test fan with guard, frame and door panel | RCD-protected supply and inspected leads |
| Manometer and control unit | Podium or tower |
| Sealing film, tape and numbered labels | Barriers and test warning signs |

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST

- | | | |
|-----------------|---------------------|--------------------|
| Head protection | High visibility | Eye protection |
| Safety footwear | Gloves — task-rated | 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-GP-003 — General Permit to Work

For temporarily closing or disabling smoke vents, dampers or other life-safety openings.

PERMIT NUMBER

PERMIT NUMBER

KD-PTW-FI-023 — Fire Alarm and Detection Isolation Permit

Where detection is isolated for the test.

KD-PTW-OO-033 — Out-of-Hours and Lone Working Authorisation

Where the test runs outside site hours or with a single tester.

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.