

FALSEWORK MONITORING DURING THE POUR

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

Pour watch · prop bearings and settlement · the signal that stops the pour

KD-RA-CN-001 Rev A0

Statutory basis: CDM 2015 regs 13 and 15 — the construction phase planned, managed and monitored by the principal contractor, and by each contractor for its own work. Falsework is temporary works: designed to BS 5975-2:2024 and controlled under the BS 5975-1:2024 management procedures — designed, checked, inspected, permitted to load and permitted to strike. 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

Watching formwork and falsework while it is loaded: the pre-pour check of sole plates, base plates and prop bearings against the temporary works design, setting and reading settlement and deflection indicators, keeping the watch during placing, and the agreed signal that stops the pour — from the permit to load until placing is complete.

This document does not cover: the temporary works design and its check (the designer's and checker's), erection and striking of formwork and falsework (KD-RAMS-CF-002), back-propping of suspended slabs (KD-RAMS-TW-003), and placing the concrete (KD-RAMS-CF-001).

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. Falsework collapse while the watcher is beneath or beside it

At risk: Pour watcher, pour gang, anyone below

Controls: Readings are taken from outside the falsework footprint wherever the indicators can be read from there. Where a reading can only be taken below the deck, it is taken only at the positions the temporary works coordinator names before the pour — never beneath a bay being filled or already filled, because a placed bay carries its full wet load — with a clear escape route, and the watcher leaves at the first sign of movement.

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

2. Bearing failure or settlement of props and sole plates

At risk: Everyone in and below the pour

Controls: Before the permit to load, every sole plate, base plate and bearing is checked against the design: ground or slab as the design assumed, sole plates fully bedded with no voids, nothing undermined by trenches, water or other trades since erection. A bearing that differs from the design stops the pour — it is reported to the temporary works coordinator, not packed or adjusted on the day.

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

3. Loading beyond the design — rate of rise, heaping or out-of-sequence placing

At risk: Everyone in and below the pour

Controls: The watcher knows the pour sequence and placing rate the design states. Heaping concrete in one place, dumping from the pump or skip, or placing out of sequence is stopped at once with the agreed signal.

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

4. Movement not noticed until it is too late

At risk: Everyone in and below the pour

Controls: Settlement and deflection indicators are set before the pour at the positions the designer or coordinator specifies, zero readings recorded, and read at the stated intervals against the stated trigger values. Signs that stop the pour without waiting for a reading: a prop leaning or bowing, cracking or creaking, wedges or pins moving, forkheads turning, a soffit visibly sagging, grout loss increasing at joints.

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

5. Adjusting falsework under load

At risk: The watcher, those below

Controls: Nothing is re-wedged, added, moved or removed while load is on the falsework unless the design or the coordinator's written instruction permits that specific action. The watcher reports movement and stops the pour; the watcher does not try to fix it.

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

6. The stop signal not heard or not acted on

At risk: Pour gang, pump operator

Controls: One stop signal — a spoken stop word on the radio, with a back-up signal if radios fail — tested before the first delivery. The supervisor and pump operator agree beforehand that the watcher has the authority to stop the pour and that it is obeyed without argument.

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

7. Struck by concrete, grout and equipment falling from the deck

At risk: Watcher below or at the edge

Controls: No watch position directly under the placing point or an open edge; head and eye protection; grout running through joints is reported to the supervisor as a sign, not wiped away.

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

8. Access, lighting and trips inside the falsework

At risk: Watcher

Controls: Route to each named watch position planned and kept clear of brace tubes, props and ties; task lighting fixed before a pour that will run into the evening; nobody climbs the falsework to take a reading.

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 Before the pour day, obtain the temporary works design, the pour sequence and rate, the monitoring positions and trigger values; agree with the temporary works coordinator who keeps the watch and the named positions readings are taken from.
- 02 Walk the falsework with the coordinator: bearings, sole plates and base plates against the design; nothing undermined, flooded or altered since erection; bracing and ties complete.
- 03 Set the settlement and deflection indicators at the specified positions; record zero readings.
- 04 Confirm the permit to load is issued. No concrete is placed before it, whatever the delivery schedule.
- 05 Brief the pour gang and pump operator: sequence, rate, who the watcher is, the stop signal and the duty to act on it. Test the radios and the back-up signal.
- 06 Take up the watch outside the falsework wherever the indicators can be read from there; go below the deck only to the named positions, never under a filled bay.
- 07 Read the indicators at the specified intervals and after each bay is placed; record each reading with the time.
- 08 STOP on a trigger value or any visible movement: give the stop signal, withdraw everyone from below and beside the affected bay, and report to the supervisor and the coordinator. Nobody adjusts the falsework.
- 09 Resume only on the coordinator's instruction, once the cause is found and the designer's advice taken where the design requires it.
- 10 When placing is complete, take a final reading, sign the record and hand it to the coordinator. The area below stays closed until the permit to strike releases it.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

Temporary works design, pour sequence and trigger values	Radios with a back-up signal
Settlement and deflection indicators as the design specifies	Task lighting
Monitoring record	Barriers for the area below
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-TL-022 — Permit to Load and Strike — Temporary Works

The permit to load before the pour; the area below stays closed until the permit to strike.

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.