

POWER FLOATING AND SURFACE FINISHING

Power floats and trowels · edges · curing — late-shift working

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

KD-RAMS-CF-004 Rev A0

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5; BS 5975-2:2024 for falsework design, with BS 5975-1:2024 management procedures — designed, checked, permit to load and permit to strike; COSHH 2002 — wet cement is corrosive and a potent sensitiser; Manual Handling Operations Regulations 1992; PUWER 1998.

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

Power floating and trowelling of concrete floors: timing off the pour, machine and hand finishing, edges, and application of curing agents — often into the evening after the pour.

This document does not cover: dry-shake toppings beyond the specification, and grinding (separate assessment).

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. Cement burns and dermatitis from wet concrete and mortar

At risk: Operatives

Controls: Wet cement is corrosive — burns develop painlessly and present late: waterproof gloves and boots, sleeves down; kneeling only on boards, never in fresh concrete; contaminated clothing changed immediately; wash splashes at once; eyewash at the pour.

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

2. 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

3. Hand-arm vibration from power tools

At risk: Operatives

Controls: Select low-vibration tools, keep cutting edges sharp, rotate operatives to keep exposure below the action value, and record trigger time where the assessment requires it.

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

4. Late and lone working after the pour gang leaves

At risk: Finishers

Controls: Finishing follows the concrete, not the clock: check-in arrangement for evening work; no lone finishing on suspended decks; access and lighting maintained for the whole finishing window; welfare stays open.

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

5. Rotating blades — entanglement and contact

At risk: Operatives

Controls: Dead-man controls tested before use; blades changed with the machine isolated; loose clothing secured; edges by hand tools, not by reaching under guards.

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

6. Slips on fresh and curing surfaces

At risk: Everyone in the area

Controls: The pour area is closed to other trades until cured — barriers and signage; walk only where the finisher directs; curing agents applied per COSHH with ventilation.

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 HI...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- 01 Plan the finishing window from the mix and weather; confirm lighting and welfare for late working.
- 02 Barrier the slab; only the finishing gang inside.
- 03 Float and trowel as the surface allows; dead-man controls; refuel cold and away from the slab.
- 04 Finish edges by hand from boards; apply curing agent per the COSHH assessment.
- 05 Leave the slab barriered and signed with the re-access time; check-out call at the end of the shift.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

Power floats and trowels
Task lighting

Curing agent sprayers

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

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

Head protection
Safety footwear
High visibility

Gloves — task-rated
Eye protection
Hearing protection

Hearing protection
Waterproof boots

RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED

7 PERMITS REQUIRED BEFORE THIS WORK STARTS

No permit is normally required for this activity. The site's own rules may still require one — check before starting, and record any permit issued below.

PERMITS ISSUED FOR THIS WORK (OR NONE)

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

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	2026-08-09	first-issue	First issue.	— not yet approved —
D1	2026-08-10	material	BS 5975 recited as BS 5975-1:2024 and BS 5975-2:2024 - the single standard was withdrawn in December 2024. Legislation position reviewed against Product Legislation Register KD-REG-01 Rev R01.3 and the August 2026 horizon scan; cutoff moved to 10 August 2026.	— not yet approved —
A0	2026-08-27	review	Approved for issue by the author. Content unchanged from D1; 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.