

Statutory basis: COSHH 2002 regs 6, 7, 11 and 12 with HSE ACOP L5 (6th edition, 2013) — isocyanate hardeners are respiratory sensitisers and epoxy resins and amine hardeners are skin sensitisers, so the assessment, the control hierarchy and health surveillance are what this document rests on. Workplace exposure limits are those in EH40/2005 Workplace exposure limits (4th edition, 2020). DSEAR 2002 for flammable thinners and solvent-borne components. A doctor's written diagnosis of occupational asthma, where the work involves significant or regular exposure to a known respiratory sensitiser, or of occupational dermatitis, where it involves significant or regular exposure to a known skin sensitiser or irritant, is reportable under RIDDOR 2013 reg 8. Unused components and contaminated waste under the Hazardous Waste (England and Wales) Regulations 2005 — an England and Wales instrument; Scotland and Northern Ireland have their own rules, so confirm them for the site. CDM 2015 reg 15 (and reg 13 where a principal contractor is appointed). 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

Mixing and brush or roller application of two-pack epoxy and polyurethane coatings to walls, ceilings, steelwork and joinery — hygienic wall coatings, anti-graffiti systems and two-pack metal finishes: product assessment, ventilation and area control, mixing, application, cure and re-entry, cleaning and waste. This document does not cover: spraying of any two-pack product — specialist work not covered by KD-RAMS-PD-003; KD-RA-PA-002 sets only its respiratory protection; resin floor systems (KD-RAMS-FL-003), intumescent coatings (KD-RAMS-PD-005), and single-pack solvent finishes (KD-RAMS-PD-006).

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. Respiratory sensitisation from isocyanate hardeners — occupational asthma

At risk: Applicators, anyone in or next to the work area

Controls: Once a person is sensitised, exposures far below the level that caused it can bring on an attack, and the odour gives no reliable warning. Brush and roller only under this document. The room is ventilated to the COSHH assessment before the hardener is opened; RPE is worn as that assessment selects. Anyone already sensitised to isocyanates does not work with them at all; anyone with a history of asthma is referred to the occupational health provider before starting.

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

2. Skin sensitisation from epoxy resins and amine hardeners — allergic dermatitis

At risk: Applicators

Controls: Glove material and breakthrough time are taken from section 8 of each component's safety data sheet, not assumed; gloves are changed at that interval and at once when splashed. Sleeves down; disposable coveralls where splashing is likely. Resin on skin is washed off with soap and water straight away, never with thinners. Anyone with a rash on the hands or forearms reports it and stops using the product until assessed.

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

3. Mixing error and exotherm — a pot that overheats, fumes or ignites

At risk: Applicators, the building

Controls: Whole packs mixed together as supplied — no splitting packs or estimating ratios. Hardener into base as the data sheet directs, mixed at slow speed for the time stated, and only as much as can be applied within the pot life. A pot that is getting hot is moved outside onto a non-combustible surface only if it can be carried safely; if it is smoking, clear the area and ventilate. Surplus mixed material is cured in a thin layer on a non-combustible surface in a ventilated place before disposal.

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

4. Flammable solvent vapour from thinners and solvent-borne components

At risk: Applicators, occupants, other trades

Controls: Ventilation is established before the tins are opened and kept running through application and cure. Ignition sources are removed or isolated in and next to the area — no hot work, smoking or unsuitable electrical equipment — for the whole drying period, under the site's permit where it requires one. Minimum quantity decanted, lids on between uses, stock kept in the flammables store.

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

5. Isocyanate hardener reacting with moisture — pressure in sealed containers

At risk: Applicators, waste handlers

Controls: Isocyanate hardeners react with water and give off carbon dioxide, so a part-used or contaminated tin that is tightly resealed can build pressure and burst. Part-used hardener is kept in its own dry, closed container; tins contaminated with water or mixed material are never tightly resealed; empty hardener tins go to the waste stream the COSHH assessment names.

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

6. Exposure of occupants and other trades during application and cure*At risk: Occupants, other trades*

Controls: The area is closed, sealed from adjoining rooms and signed no entry until the data sheet re-entry time; other trades are kept out; air-handling that could carry vapour into occupied areas is agreed with the building manager first.

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

7. Splashes to the eyes during mixing and decanting*At risk: Applicators*

Controls: Goggles or a visor, not just safety spectacles, for mixing and decanting. An eyewash station or a supply of clean water is at the mixing point before work starts; a splash is irrigated at once for as long as the safety data sheet directs, and medical advice sought.

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

8. Work at height from steps, podiums, towers or MEWPs*At risk: Operatives, and anyone below*

Controls: Select access by the Work at Height hierarchy — podium or tower before steps; MEWPs by trained (IPAF) operators only. Inspect access equipment before use, establish an exclusion below overhead work, and secure tools and materials against dropping.

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

9. Contaminated tools, rags, PPE and unused components*At risk: Applicators, cleaners, waste handlers*

Controls: Tools are cleaned only with the cleaner the data sheet specifies, at the mixing station. Contaminated rags, gloves and coveralls go into a lidded metal bin, not general waste. Unused base and hardener are returned to store or consigned as hazardous waste with the consignment note, and nothing is washed to a drain.

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

1. Confirm the specified coating system and have the safety data sheet for every component on site; complete the COSHH assessment for this location before any tin is opened.
2. Confirm each applicator's health surveillance status and brief them on sensitisation: the symptoms, and that they stop and report the first time they notice them.
3. Close and seal the work area, post no-entry signs with the re-entry time, and agree air-handling and access with the occupier or building manager.
4. Set up the ventilation the assessment requires and prove it is running; remove or isolate ignition sources in and next to the area.
5. Set up the mixing station on a spill tray in a ventilated position, with eyewash, spill kit, a lidded metal rag bin and the specified cleaner to hand.
6. Put on the PPE and RPE the assessment selects before opening the hardener; check the RPE seal and filter date.
7. Mix whole packs at slow speed for the time the data sheet states; mix only what can be applied within the pot life.
8. Apply by brush and roller, working towards the exit, with lids on containers between uses.
9. Stop and leave the area if anyone develops chest tightness, wheezing, coughing, breathlessness or a skin reaction, if ventilation fails, or if a pot starts to overheat; report it before anyone goes back in.
10. Clean tools at the station; put rags and PPE in the metal bin; cure surplus mixed material thinly on a non-combustible surface; return or consign unused components.
11. Keep the area closed until the re-entry time has passed and the room has been ventilated; record the product, batch, area and times.

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

Slow-speed mixing drill and paddle	Eyewash station
Brushes, rollers and trays	Lidded metal rag bins and hazardous waste containers
Extraction or ventilation fans ducted to outside	Podium steps or towers as the access requires
Spill trays and spill kit	

INSPECTION / THOROUGH EXAMINATION REFS**COSHH ASSESSMENT REFS**

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

- | | | |
|--|--|--|
| ☐ Head protection | ☐ Eye protection | ☐ Goggles or visor for mixing |
| ☐ Safety footwear | ☐ Hearing protection | ☐ Disposable coveralls |
| ☐ High visibility | ☐ RPE as the COSHH assessment selects — face-fit tested | |
| ☐ Gloves — task-rated | ☐ Chemical-resistant gloves to the data sheet | |

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

Where the site requires ignition-source control in the area.

PERMIT NUMBER

KD-PTW-PE-009 — Permit to Enter

For occupied buildings under access control.

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.