

CONCRETE REPAIR — BREAK-OUT, REINFORCEMENT, MORTAR AND CURE — QUALITY — ONE PER AREA

Patch and structural concrete repair · defective concrete out to sound, reinforcement cleaned and treated, prepared surface accepted · KD-QA-CR-002 Rev A0

How this sheet works: the subcontractor ticks and initials each point as the work is checked. ONE named reviewer — the principal contractor's site manager or quality manager — releases every HOLD POINT on this sheet, all the way to completion. The client, contract administrator or clerk of works signs once, at the end. A stack of these signed at a desk is not evidence — every hold point needs a reading, a photo reference and a date. Issue with the activity RAMS.

1 WHERE — A STRANGER MUST BE ABLE TO FIND THIS AREA FROM THIS SHEET IN FIVE YEARS

BLOCK / BUILDING	LEVEL / FLOOR	ELEMENT / AREA	GRIDLINES	DRAWING AND REVISION
PROJECT / SITE REF	SITE	SPEC CLAUSE / SCHEDULE	SUBCONTRACTOR INSPECTOR	REVIEWER — RELEASES THE HOLD POINTS

2 THE SPECIFIED SYSTEM — FROM THE SPECIFICATION AND THE DRAWINGS, NOT FROM MEMORY

CONDITION SURVEY / REPAIR SCHEDULE REF AND REV	REPAIR LOCATIONS ON THIS SHEET (NUMBER / ...)	CAUSE OF THE DEFECT (FROM THE SURVEY)
REPAIR SYSTEM SPECIFIED — PRIMER / BOND COAT / MORTAR / FAIRING	CUT-BACK AND CLEARANCE BEHIND BARS SPECIFIED...	TESTS SPECIFIED (PULL-OFF / COVER / DEPTH...

3. Materials on site

HOLD POINT

Products match the specified repair system throughout — primer, corrosion protection, bond coat, mortar and fairing coat from the one system, not mixed; data sheets on site	Spec · TDS
Batch numbers recorded; shelf life checked; bagged material stored dry and off the ground; resin components within their temperature range	TDS
Mixing equipment and water measured as the data sheet states; no site addition of water beyond the stated range	BS EN 1504 · TDS
BATCH NUMBERS (PER PRODUCT)	DELIVERY NOTE REFS

RESULT	Pass	Fail	N/A	NCR REF IF FAIL	PHOTO REF(S)	Date/time on photo
SUB SELF-CHECK — INITIALS	DATE	HOLD RELEASED BY THE REVIEWER — SIGNATURE	TIME	DATE		

4. Break-out and prepared surface — before any repair material

HOLD POINT

Defective concrete removed to sound concrete, sounded with a hammer across the whole repair and beyond the marked perimeter; the perimeter cut square to the depth the specification states — no feather edges	BS EN 1504 · Spec	
Corroded reinforcement exposed around its full circumference with the clearance behind the bar the specification states; break-out continued along the bar until clean steel is found	BS EN 1504 · Spec	
Reinforcement cleaned to the specified grade by the specified method; section loss measured with callipers and reported to the engineer where it exceeds the figure the specification allows	BS EN 1504	
Corrosion protection to the bars where specified, applied to the data sheet within the time limit after cleaning	TDS	
Substrate dust-free, sound and pre-wetted or primed as the data sheet states; pull-off test on the prepared substrate where specified, with the result recorded	BS EN 1504 · TDS	
Every prepared repair photographed showing the cut perimeter and the exposed bars before anything goes back	Practice	
DEPTH OF BREAK-OUT (MM) — MIN / MAX	SECTION LOSS FOUND (MM / %) — REPORTED?	PHOTO REFS (PER REPAIR)

RESULT	Pass	Fail	N/A	NCR REF IF FAIL	PHOTO REF(S)	Date/time on photo
SUB SELF-CHECK — INITIALS	DATE	HOLD RELEASED BY THE REVIEWER — SIGNATURE	TIME	DATE		

5. Environmental conditions — every session

CHECK & RECORD

- Air and substrate temperature within the data-sheet limits for the product being applied; substrate above dew point by the margin the sheet states; readings logged on KD-QA-SYS-006
- No application to frozen, frost-covered or saturated substrate; protection from rain, wind and direct sun through the working time and cure

TDS

TDS

DATE / TIME	AIR °C	SUBSTRATE °C	RH %	DECISION

RESULT

Pass

Fail

N/A

NCR REF IF FAIL

PHOTO REF(S)

Date/time on photo

SUB SELF-CHECK — INITIALS

DATE

6. Primer, bond coat and repair mortar

HOLD POINT

- Reviewer accepted the prepared surface (point 4) before any primer or bond coat
- Bond coat or primer applied to the data sheet and the mortar placed within its wet-on-wet or open time; a missed window means the bond coat is removed and reapplied
- Repair mortar placed in layers within the minimum and maximum thickness per layer the data sheet states, each compacted against the substrate and bars with no voids; layer thicknesses recorded
- Repair finished flush with the original profile, or to the specified profile, with the specified surface texture for any following coating
- Flowable and sprayed repairs placed with the formwork, pressure or nozzle technique the data sheet states; cores or pull-off tests taken where the specification requires

Practice

TDS

BS EN 1504 · TDS

Spec

BS EN 1504

LAYER THICKNESSES (MM) PER REPAIR	BOND COAT TO MORTAR TIME (MIN)	TEST RESULTS (PULL-OFF / CORE) WHERE SPECIFIED

RESULT

Pass

Fail

N/A

NCR REF IF FAIL

PHOTO REF(S)

Date/time on photo

SUB SELF-CHECK — INITIALS

DATE

HOLD RELEASED BY THE REVIEWER — SIGNATURE

TIME

DATE

7. Curing and protection

HOLD POINT

- Curing method and duration exactly as the data sheet states — membrane, wet hessian and polythene, or curing compound compatible with any following coating
- Repairs protected from rain, frost, traffic and impact through the cure; nothing fixed to or loaded on the repair before the data-sheet strength is reached
- Cure start and end recorded per repair with the method used

BS EN 1504 · TDS

TDS

Practice

CURING METHOD / DURATION	CURE START / END (PER REPAIR)

RESULT

Pass

Fail

N/A

NCR REF IF FAIL

PHOTO REF(S)

Date/time on photo

SUB SELF-CHECK — INITIALS

DATE

HOLD RELEASED BY THE REVIEWER — SIGNATURE

TIME

DATE

8. Finished repairs and records

CHECK & RECORD

- Every repair sounded after cure — no hollow areas; cracks, shrinkage or edge separation reported as a non-conformance
- BS EN 1504
- Repair record complete per location — depth, bars treated, products and batches, layer thicknesses, cure, tests and photos before and after; filed for the handover file
- BS EN 1504 - Practice
- Following coating (anti-carbonation or protective) not applied until the repair has cured for the period the coating data sheet requires; KD-QA-PD-024 references this sheet
- TDS

PHOTO REFS (AFTER)

REPAIR RECORD / SCHEDULE REF

RESULT

Pass

Fail

N/A

NCR REF IF FAIL

PHOTO REF(S)

Date/time on photo

SUB SELF-CHECK — INITIALS

DATE

9 SNAGS FOUND IN THIS AREA — MINOR DEFECTS FIXED AND RE-CHECKED ON THE SHEET

A snag is a defect the trade puts right and someone else re-checks. Anything that fails an acceptance criterion outright, or cannot be fixed in the area, is a non-conformance and goes in the next section instead.

NO.	WHERE (ELEMENT / POSITION)	DEFECT FOUND	FIXED BY / DATE	RE-CHECKED BY / DAT...	OK?

10 NON-CONFORMANCES FOR THIS AREA — ONE BLOCK PER NCR; CLOSED BY SOMEONE OTHER THAN THE FIXER

NCR 1 — REFERENCE

POINT

OWNER (NAMED PERSON)

DUE

STATUS

WHAT WAS FOUND — AGAINST WHICH ACCEPTANCE CRITERION; WHERE; EXTENT

CORRECTIVE ACTION, AND WHAT STOPS IT HAPPENING AGAIN

FIXED BY / DATE

RE-INSPECTED BY (NOT THE FIXER) / DATE

PHOTO REF(S)

NCR 2 — REFERENCE

POINT

OWNER (NAMED PERSON)

DUE

STATUS

WHAT WAS FOUND — AGAINST WHICH ACCEPTANCE CRITERION; WHERE; EXTENT

CORRECTIVE ACTION, AND WHAT STOPS IT HAPPENING AGAIN

FIXED BY / DATE

RE-INSPECTED BY (NOT THE FIXER) / DATE

PHOTO REF(S)

NCR 3 — REFERENCE	POINT	OWNER (NAMED PERSON)	DUE	STATUS

WHAT WAS FOUND — AGAINST WHICH ACCEPTANCE CRITERION; WHERE; EXTENT

CORRECTIVE ACTION, AND WHAT STOPS IT HAPPENING AGAIN

FIXED BY / DATE	RE-INSPECTED BY (NOT THE FIXER) / DATE	PHOTO REF(S)

11 PHOTO LOG — WHAT EACH PHOTO REFERENCE SHOWS

PHOTO REF	POINT	WHAT IT SHOWS (LOCATION, ELEMENT, READING VISIBLE)	DATE / TIME	TAKEN BY

12 NOTES FOR THIS AREA

ANYTHING THE NEXT PERSON NEEDS TO KNOW — AGREEMENTS, DEVIATIONS FROM THE SPECIFICATION, ACCESS LIMITS, ITEMS CARRIED TO THE NEXT VISIT

13 RELEASE

The reviewer confirms every hold point on this sheet was released and every snag and non-conformance is closed; the client, contract administrator or clerk of works then signs once. This sheet goes in the handover file with the photos it references.

Subcontractor — work complete and self-checked:

PRINTED NAME	ROLE / POSITION	COMPANY	SIGNATURE	DATE	TIME

Reviewer — all hold points released, all snags and non-conformances closed:

PRINTED NAME	ROLE / POSITION	COMPANY	SIGNATURE	DATE	TIME

Client / contract administrator / clerk of works — final sign-off:

PRINTED NAME	ROLE / POSITION	COMPANY	SIGNATURE	DATE	TIME

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	2026-08-29	first-issue	First issue.	— not yet approved —
A0	2026-08-29	review	Approved for issue by the author. Content unchanged from the 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.