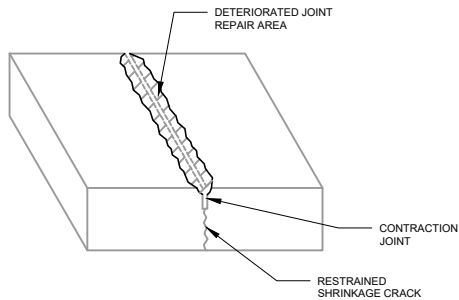
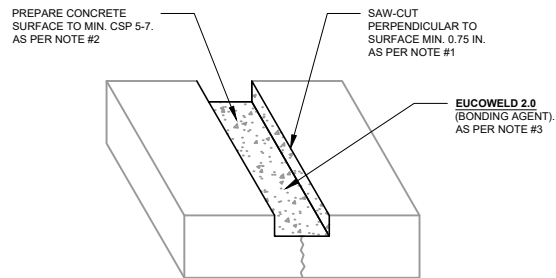
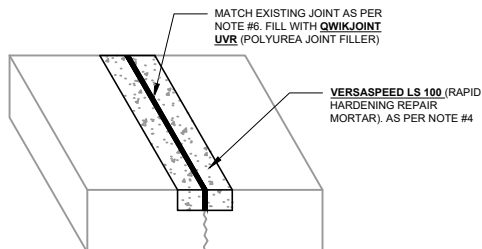




EXISTING CONDITION



CONCRETE REMOVAL AND SURFACE PREPARATION



COMPLETED REPAIR

1 JOINT REPAIR

NOT TO SCALE

GENERAL CONCRETE JOINT REPAIR NOTES

1. CONCRETE AND JOINT FILLER REMOVAL:

EXCEPT WHERE NOTED OTHERWISE, PERFORM CONCRETE REMOVAL IN ACCORDANCE WITH RECOMMENDATIONS OF ICRI GUIDELINE 310.1R "GUIDE FOR SURFACE PREPARATION FOR THE REPAIR OF DETERIORATED CONCRETE RESULTING FROM REINFORCING STEEL CORROSION."

PROVIDE MINIMUM 3/4 INCH (19 MM) DEEP, STRAIGHT SAW CUT RUNNING PARALLEL TO FLOOR JOINT AT WIDTH NECESSARY TO FULLY ENCOMPASS WIDEST AREA OF DAMAGE WITHIN PERIMETER BOUNDARIES OF REPAIRS. MAKE SAW-CUTS PERPENDICULAR TO CONCRETE SURFACE. IF MULTIPLE SMALL REPAIR AREAS ARE ADJACENT TO EACH OTHER, CREATE ONE LARGER REPAIR THAT ENCOMPASSES THE ISSUES IN ONE AREA. DO NOT ALLOW SAW TO COME INTO CONTACT WITH REINFORCING STEEL.

RUN SAW AS REQUIRED THROUGH JOINT TO REMOVE EXISTING JOINT FILLER MATERIALS AND DEBRIS.

REMOVE ALL CONCRETE WITHIN REPAIR BOUNDARY TO A MINIMUM UNIFORM DEPTH OF 3/4 INCH (19 MM) OR DEEPER IF REQUIRED BY REPAIR PRODUCT LIMITATIONS. CONTINUE REMOVAL UNTIL ALL UNSOUND, DELAMINATED, AND CRACKED CONCRETE HAS BEEN REMOVED.

AFTER CONCRETE REMOVAL HAS BEEN COMPLETED, USE ABRASIVE BLASTING OR HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVE TO REMOVE ANY BRUISED CONCRETE SUBSTRATE WEAKENED BY MICROCRACKING.

2. CONCRETE PREPARATION AND CLEANING:

AREAS TO RECEIVE CONCRETE REPAIR ARE TO BE STRUCTURALLY SOUND AND FREE OF LOOSE OR DETERIORATED CONCRETE, DUST, DIRT, PAINT, SEALERS, OIL, EFFLORESCENCE, LAITANCE, AND OTHER CONTAMINANTS THAT COULD INTERFERE WITH BOND. MECHANICALLY ABRASIVE SURFACE TO PROVIDE MINIMUM CONCRETE SURFACE PROFILE (CSP) EQUAL TO THAT RECOMMENDED BY REPAIR MORTAR MANUFACTURER AND IN ACCORDANCE WITH RECOMMENDATIONS OF ICRI GUIDELINE 310.2R "SELECTING AND SPECIFYING CONCRETE SURFACE PREPARATION FOR SEALERS, COATINGS, POLYMER OVERLAYS, AND CONCRETE REPAIR."

3. BONDING AGENT:

APPLY EUCLID CHEMICAL EUCOWELD 2.0 BONDING AGENT TO PROPERLY PREPARED SUBSTRATE IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS AND LIMITATIONS. PROVIDE COMPLETE AND THOROUGH COVERAGE ENSURING THAT BONDING AGENT HAS BEEN FULLY WORKED INTO SURFACE. ALTERNATIVE BONDING METHODS/MATERIALS PERMITTED IF RECOMMENDED BY REPAIR MORTAR MANUFACTURER AND APPROVED BY ENGINEER.

4. REPAIR MORTAR:

MIX AND APPLY REPAIR MORTAR IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS AND LIMITATIONS, AND WITHIN OPEN TIME OF ANY PRODUCT SCRUB COATS OR BONDING AGENTS.

FULLY CONSOLIDATE REPAIR MORTAR AS REQUIRED TO ENCAPSULATE REINFORCEMENT, FILL ALL VOIDS, AND AVOID HONEYCOMBING. FINISH TO MATCH SURROUNDING SURFACE.

5. CURING:

IMMEDIATELY FOLLOWING PLACEMENT AND FINISHING PROCEDURES CURE REPAIR MORTARS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS AND LIMITATIONS.

6. RE-ESTABLISH AND FILL JOINT:

WHERE JOINTS ARE BRIDGED DURING REPAIR, RE-CUT JOINTS THROUGH THE FULL DEPTH OF THE EXISTING JOINT AFTER REPAIR MORTAR HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR EDGE DAMAGE.

SAW JOINTS STRAIGHT, CENTERED OVER ORIGINAL JOINT LOCATION, AND TO MATCH EXISTING WIDTH AND DEPTH.

CLEAN JOINTS OF DEBRIS AND DUST USING MECHANICAL MEANS AND OIL-FREE COMPRESSED AIR OR VACUUM.

FILL JOINT WITH QWIKJOINT UVR (SEMI-RIGID POLYUREA JOINT FILLER) IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS AND LIMITATIONS. PLACE MATERIAL TO FULL DEPTH AND OVERFILL. RE-FILL AS REQUIRED TO COMPENSATE FOR ANY SETTLEMENT. ALLOW TIME TO SET AND SHAVE FLUSH WITH ADJACENT SURFACE. PROVIDE A SMOOTH TRANSITION BETWEEN ADJACENT CONCRETE SURFACES AND JOINT EDGES.

PERFORM JOINT FILLER REPLACEMENT CONTINUOUSLY ALONG JOINT LENGTHS AS REQUIRED, INCLUDING UP TO THE BASE OF RACK SYSTEMS OR OTHER FIXED EQUIPMENT, AND PROVIDE A CLEAN AND UNIFORM TRANSITION BETWEEN EXISTING AND NEW JOINT FILLER MATERIAL.



EUCLID CHEMICAL

EUCLID CHEMICAL CONCRETE RESTORATION SYSTEMS

Detail: CONTRACTION/CONSTRUCTION JOINT CONCRETE REPAIR

File Name:

Drawn by: AMH

Checked by: BDG

Scale: NTS

Date: 4/10/2026

JR-02

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Note: These paragraphs and details are meant to be incorporated into a project's general structural notes or directly onto the plans. They must be carefully reviewed by a qualified design professional and edited to meet the particular requirements of the project at hand, assure compliance with any governing building codes, and coordinate with other specification sections and drawings. In no case shall these guide specifications be considered to be contract documents or serve as installation instructions for the product being discussed. In any cases of discrepancy, the manufacturer's most recently published data sheet shall take precedence.