

Recommended Field Handling of Epoxy-Coated Reinforcing Bars

- Unloading, Storage & Job-Site Handling**
 - ✓ Use spreader bar or strong back with multiple pick-up points to minimize sags.
 - ✓ For lifting, use nylon or padded slings; not bare chains or cables.
 - ✓ Store bundles on suitable materials, such as timber cribbing.
 - ✓ If outdoor storage is to exceed 30 days, cover with suitable material; minimize condensation.
- Bar Placement**
 - ✓ Lift and set bars into place (don't drag).
 - ✓ Minimize traffic on placed bars.
 - ✓ Inspect bars and repair damaged coating with 2-part patch material.
- Bar Supports & Tie Wire**
 - ✓ Metal bar supports coated with non-conductive materials or plastic bar supports.
 - ✓ Use coated tie wire.
- Job-Site Cutting**
 - ✓ Power shears or chop saw (avoid flame cutting).
 - ✓ Repair cut ends.
- Patching Material**
 - ✓ Use 2-part patching material, approved by the coating manufacturer.
 - ✓ Follow the manufacturer's instructions.
 - ✓ Repair cut ends, cracks and abrasions.
- Concrete Placement**
 - ✓ Minimize traffic and concrete hoses on placed bars.; use runway if necessary.
 - ✓ Use plastic-headed vibrator to consolidate concrete.

For additional information, see CRSI's *Manual of Standard Practice*, ASTM D 3963/D 3963M and Annex X1 of ASTM A 775/A 775M.



Concrete Reinforcing Steel Institute
www.crsi.org

Job-Site Repair of Damaged Epoxy Coating



Step 1

Remove rust and contaminants from the damaged area to be patched with a wire brush.



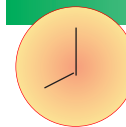
Step 2

Mix the patching material according to the manufacturer's instructions. Use patching material prior to end of pot life.



Step 3

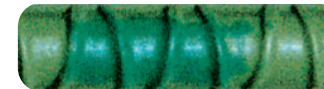
Apply the patching material to the repaired area. Follow the patch material manufacturer's instructions.



Step 4

Allow the repaired area sufficient curing time as specified by the manufacturer's instructions, before placing concrete.

PROPERLY REPAIRED



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