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.

CRSI

Concrete Reinforcing Steel Institute
www.crsi.org

Job-Site Repair of Damaged Epoxy Coating

Step 1

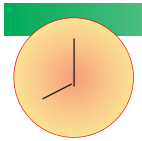
Remove rust and contaminants from the damaged area to be patched with a wire brush.

Step 2

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

Step 3

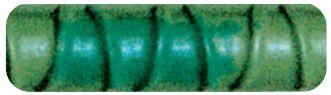
Apply the patching material to the repaired area. Follow the patch material manufacturer's instructions.



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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