

Sealing cut ends

Sealing of the cut ends is not necessary due to the corrosion resistance characteristics of the vinylester resin used in the fabrication of the rebar. The use of a liquid epoxy coating such as "Scotchkote 413/215 pc Patch Compounds" can be used to seal the ends, but is at the discretion of the engineer.

Repair of bar damage

In the case that the rebar sand coating has been damaged follow the repair guideline.

Materials needed:

- Silica sand (Sandblast 24 grit sand)
- Vinylester resin (Derakane 8084 type recommended)
- Promoter - Cobalt naphthenate 6% (CoNap)
- Accelerator - Dimethylalanine (DMA)
- Catalyst - Methyl Ethyl Ketone Peroxide 9% (MEKP)

Mix ratios are determined according to outdoor temperature. Follow the chart below.

- 1). Remove loose sand with a wire brush.
- 2). Use acetone, ethanol, alcohol or methyl hydrate to clean surface and remove any oil or grease. Let dry.

Note: It is very important to completely mix in the CoNap in the resin before adding the MEKP. Otherwise a violent chemical reaction could occur. Make note that the gel time (work time) is temperature dependant. Follow the mix chart for quantities.

- 3). Mix small quantity of resin with the DMA, CoNap and lastly the MEKP.
- 4). Add properly mixed resin to the damaged area with a paint brush or roller making sure the rebar is clean of debris.
- 5). Lightly coat the resin with the silica sand.
- 6). Leave the resin to harden before using rebar.

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Mix chart:

Outdoor temperature	10 to 20 minutes gel time
59 to 70° F	0.3% DMA 0.6% CoNap 3.0% MEKP
70 to 79° F	0.3% DMA 0.5% CoNap 2.5% MEKP
79 to 90 ° F	0.2% DMA 0.3% CoNap 2.0% MEKP

Cleaning the V-ROD

1) Use water to clean light dirt or use acetone, ethanol, alcohol or methyl hydrate to remove paint, oil or grease from surface.

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