

Patching Concrete Under Prestress Bearing Plates

Epoxy tends to creep or flow under sustained high stress. Therefore, when patching or replacing concrete immediately behind a prestress bearing plate or in the bearing seat area, the repair shall not be made with material that uses epoxy as a binder. However, epoxy may be used for bonding the repair material to the existing concrete.

Extensive repairs should be re-poured rather than dry-packed. The concrete used in the repair area should have attained the strength required for the structure concrete before the stressing operation is started.