

IN-LB

Inch-Pound Units

SI

International System of Units

Corrosion and Repair of Grouted Post-Tensioning Tendon Systems—Report

Reported by Joint ACI-ASCE Committee 423

ACI PRC-423.8-21



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Corrosion and Repair of Grouted Post-Tensioning Tendon Systems—Report

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Corrosion and Repair of Grouted Post-Tensioning Tendon Systems—Report

Reported by Joint ACI-ASCE Committee 423

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This report provides general information regarding the evaluation of corrosion damage in structures reinforced with grouted multi-strand and bar tendons. A review of current practice is included along with the historical background. Specific potential problem areas for grouted tendons are discussed for each critical part of the tendon. Current methods for evaluating corrosion damage and typical repair schemes are included.

Keywords: anchorage; bonded; corrosion; duct; durability; grout; post-tensioning; prestressed; repair; strand; tendon.

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