

# **Study of the effect of rust and corrosion of reinforcement on bond behaviour.**

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Abstract

Exposure of rebar to the atmosphere for a long time rusts the rebar surface. Rusting of the rebar surface has some effect on the bond behavior between steel and surrounding concrete. Steel bars have been rusted atmospheric exposure for different periods of time and their bond behavior has been studied using pullout and beam specimens.

Corrosion of steel reinforcement affects bond behavior between steel and concrete as follows: