

عنوان مقاله:

Studying Using FRP Reinforcing Bars to Decrease the Effect of Concrete Corrosive Factors

محل انتشار:

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خلاصه مقاله:

One of structure destructive and life-threatening factors in warm and wet environments is corrosion off armatures, which cause considerable damages to repair, maintain structure. One of appropriate strategies to solve this problem is using FRP armatures. This type of armature has very suitable resistance and behavioral characteristics for reinforcing. The weight of these fibers is about 20% of steel weight and their tensile resistance is about 10 times of steel. Other advantages of this type armature include crack controlling, reducing the section width, decreasing structure weight, preventing from corrosion, etc. current research has tried to study concrete corrosive factors and using FRP reinforcing bars to decrease destructive effects of corrosive mediums.

کلمات کلیدی:

FRP armatures, corrosive factors, repair and maintenance

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