

عنوان مقاله:

PERFORMANCE OF RICE HUSK ASH CONCRETE Exposed To Sea Water

محل انتشار:

ششمین کنفرانس بین المللی پیشرفتهای علوم و تکنولوژی (سال: 1391)

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خلاصه مقاله:

As concrete is produced and placed at construction sites, under conditions far from ideal, we do often end up with construction problems and a host of workmanship related problems. Rice Husk Ash Concrete has evolved as an innovative technology, capable of achieving the status of being an outstanding advancement in the sphere of concrete technology. The utilization of Rice Husk Ash (RHA) will reduce the dumping of rice husk as well as reduce the construction cost. In reality many of the concrete structures exposed to severe environmental conditions such as exposure to sea water in case of marine structures and severe aggressive conditions in case of fertilizer industry, the durability of concrete structure is important. In consideration of this aspect this study is aimed to test the RHA concrete exposed to sea water. The studies on Rice Husk Ash concretes exposed to marine atmosphere for various ages showed that RHA replacement range of 5% to 7.5 % showed better compressive strength and 12.5% replacement showed less water absorption than other replacements at all ages and for all three grades of concretes

کلمات کلیدی:

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