

## عنوان مقاله:

The Influence of Glass Powder on Fresh Properties of Rubberized Concrete

## محل انتشار:

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## خلاصه مقاله:

ABSTRACT As one of the most prominent kinds of green concrete, rubberized concrete utilizing waste rubbers of used tires has captured many researchers' attention in recent years. Moreover, glasses are among other waste materials, which can harm the environment. In this paper, an experimental effort was conducted to combine utilizing glass powder with rubberized concrete and investigate the fresh properties of the obtained green concrete. For this purpose, ۵, ۱۰ and ۲۰% of glass powder with respect to fine aggregates were added to rubberized concrete containing ۳, ۵ and ۱۰% of waste rubber powder. The resulting slumps of specimens were tested in different dosages. Compared to normal concrete, the addition of rubber powder causes an increase in the slump values. On the other hand, the added glass powder compensated for some of the slump values increases in the specimens. However, the resulting slump values of green concrete were still larger than the corresponding normal concrete.

## کلمات کلیدی:

\_waste materials, green concrete, rubberized concrete, glass powder, fresh properties\_

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