

# Reinforcement of Building Plaster with Plastic Waste and Glass Powder

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## Description

Plaster is a building material widely used in finishing buildings work, known for its qualities, which allow it a growing demand in the construction market; it is a favorable material to protection of the environment, very malleable, low density, also its thermal and sound insulation, regulator of the hygrometry of the enclosures and decorative, but the fragility of plaster poses a problem in design of decorative pieces with a large size dimension, which causes problems for the users; in this study the plaster will be reinforced by fiber from waste plastic and powder glass, by introducing ratio (1 and 2% for plastic fiber and 5 and 10% of glass powder) of the introducing volume of reference specimens plaster studied. The results shows the positive effect of the introducing the waste plastic fiber and glass, that the results shows increasing the values of stress in flexion testing of reinforcing plaster beams, and also improving of the ...