

Paper (4)

Title	DEVELOPMENT THE CONSTRUCTION MATERIALS SUSTAINABLE PERFORMANCE VIA VALUE APPROACHES TECHNIQUES
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Journal	Engineering research journal (ERJ)
Date	April. 2022
Abstract	<p>This paper attempts to enhance the sustainable performance of the construction materials in order to raise the forceful of the sustainable aspects by applying value approaches techniques. On the International side, All the construction materials research and the manufactures realization of sustainability approach have increased in different terms. Thermal comfort is the main sustainable aspect that effect the end-users. This paper aims to present the thermal comfort analysis for Glass Fiber Reinforced Gypsum GFRG system in Egypt as a case study for one of the new construction materials. It will present and compare with traditional systems which are used with the GFRG system. It also aims to apply new creative value ideas or value solutions in order to increase sustainability aspects.</p> <p>Therefore, the study tries to correct the development of the construction materials by applying value solutions. The research applies a scientific methodology with the materials and methods as theoretical studies. Then, results and discussions in each term. Results gained during the analysis of the case study, which is based on the value ideas, can be used as new solutions for the development of GFRG as a construction material.</p>