

Review of: "Analytical Study and Amelioration of Plastic Pavement Material Quality"

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Potential competing interests: No potential competing interests to declare.

The article, entitled 'Analytical Study and Improvement of Plastic Pavement Material Quality,' offers a thorough examination of locally produced plastic pavement in Cameroon. While I endorse the manuscript for publication, I propose a few revisions to refine the English language aspects. Kindly find the revised version attached for your consideration before resubmission.

The abstract is currently too lengthy and may bore the reader. It needs to be shortened to a maximum of 250 words while highlighting the content, materials, and methods of the study, focusing on delivering the most striking results.

While the introduction appears sufficient, it is crucial to elaborate on the distinctive features of the study, including its rationale, significance in filling gaps within the literature, and why it has been adopted. Provide a detailed scope to enhance comprehension.

Materials employed in this study are predominantly traditional, rendering detailed shapes unnecessary. In a single paragraph, we present an overview of the materials, complemented by a table summarizing their physical and chemical properties, gradation, and microstructure analyses.

Preparation of Samples: The table below provides details on the materials used for sample preparation, including their proportions and quantities.

Material Ratio/Quantity	Material 1	X units	Material 2	Y units	Material 3	Z units
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And for the laboratory tests, a condensed paragraph:

Laboratory Tests: The samples underwent various physical and mechanical tests.

Physical tests encompassed properties such as density, porosity, and water absorption. Mechanical tests included assessments of strength, elasticity modulus, and tensile strength. Detailed information on these tests is known to those well-versed in the field.

Results and Discussion section should not merely present obtained data but should also be substantiated by similar or contrasting studies, with explanations for the observed differences. This section is currently quite inadequate and needs significant development. Additionally, the results of physical tests should precede those of mechanical tests. This section is crucial and represents the most valuable part of the study, requiring substantial attention and effort to address its

deficiencies. Moreover, microstructure tests should be incorporated after the mechanical tests. This sequential arrangement ensures a comprehensive presentation of the study's findings, with a logical flow from physical tests to mechanical tests and culminating in microstructure analyses.

In addition to all these, figures can be presented in a more visually appealing format, avoiding a simple copy-paste method. It is essential to include coding for each sample, which leads us to the stage of preparing these samples.