

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

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Potential competing interests: No potential competingThis study investigated the combined effects of polyethylene terephthalate (PET) and polypropylene (PP) as binding materials for plastic pavement. The research focused on two aspects: 1. Individual Effects: The impact of varying PP content (10%, 15%, 20%,..., 50% by weight) on the binding characteristics of pavement samples was assessed. The remaining percentage was composed of sand. 2. Combined Effects: The study then evaluated the performance of pavements where PET and PP were combined as binding materials. Three formulations were tested: 10% PP + 20% PET 15% PP + 15% PET 20% PP + 10% PET In all cases, sand constituted the remaining 70% of the sample weight. Physical and mechanical tests were conducted on both types of samples to understand the effectiveness of these binding strategies. I recommend the acceptance of this manuscript for publication following the completion of the following modifications/ corrections: 1. The abstract should be written more precisely without including unnecessary information. Try to highlight the main findings and obtained results. This will make the abstract more compact and in the acceptable range of words. Based on this I suggest to revise the abstract section. 2. Rewrite the introduction to primarily focus on the novelty and significance of your work. This can be achieved by: Highlight the potential impact: Briefly explain the potential significance of your work. This could involve its contribution to advancing knowledge, solving a problem, or opening new avenues for future research. 3. While the authors have attempted to justify their work, I recommend that they perform thermal studies to determine the thermal stability of blocking material. This is an important property for any material that is intended to be used in a practical application. 4. All equations used in the manuscript should be properly cited. 5. When presenting your results, provide specific references to support your claims. interests to declare.

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