

Review of: "Effective use of Waste Materials: A Case Study of Utilization of Fly Ash in Flexible Pavement Structures"

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Potential competing interests: No potential competing interests to declare.

The paper provides a reasonable and acceptable review of the use of fly ash in pavement structures; however, the paper can benefit from some corrections.

The title of the paper should be "A Review of the Use of Fly Ash in Flexible Pavement Structures."

It would be helpful to state an approximate amount of fly ash available in the introduction to have an appreciation of the amount of fly ash available, even if this is put in the form of a ratio.

Under properties of fly ash, it might be worth mentioning the shape of the fly ash particles, which are mainly spherical in nature, as this has a bearing on the flowability of the concrete.

The cementitious properties of fly ash must be alluded to when discussing their chemical properties to lay the foundation for the potential use as a partial replacement of cement.

The particle size distribution should also be considered.

The author states that the addition of 6% fly ash has been found to be optimum. It would be helpful to give the corresponding concrete properties that go with this volume fraction.

The author must give specifics when describing and avoid using terminology such as "gives suitable strength properties," and rather gives these as a comparison with a standard.