

Review of: "The Effects of Polypropylene Wastes on the Compressive Strength of Grade 25 Concrete"

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Potential competing interests: No potential competing interests to declare.

Can't understand the meaning of the following sentence - The research used experimental methods to carry out the study.

What is the meaning of the word "dosed" in the following sentence - The polypropylene was pulverized to sand particle sizes and dosed at 5 %, 10 %?

Not many changes have been carried out in the journal paper based on the review already done. Following are the observations already given in the previous review:

1. This journal paper gives the experimental results of very basic tests conducted on concrete with PP replacement. Even flexural strength and split tensile strength tests are not carried out.
2. Table 2 - Reasons mentioned for decrease and then increase of water absorption not satisfactory.
3. No changes have been carried out related to Fig. 2, which just shows the decreasing, increasing, and then again decreasing trend of compressive strength of concrete with PP replacement. Numerical values of compressive strength of concrete are not given. For 15% replacement, 14 days curing strength is shown to be lesser than 7 days curing strength. For 20% replacement, 14 days curing strength is shown to be greater than 21 days and 28 days curing strength.

Conclusion - Not satisfactory as only basic test results are mentioned.

References - Numbering should be done; avoid bullets unless specified in the journal format.