

Review of: "Shear performance of polypropylene fiber reinforced high-strength self-compacting concrete beams"

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Potential competing interests: No potential competing interests to declare.

This paper studies the possibility of using polypropylene fiber-reinforced, high-strength self-compacting concrete beams. The work was systematic in the research steps, and the presentation of the results was also clear. The work requires some revisions in order to be published in the journal.

Comments:

- Abstract:

- It is recommended to write the importance of the topic at the beginning of the summary;
- It is recommended to write the most important results in values so that the effectiveness of using fibers in concrete becomes clear;
- It is recommended to add silica fume in the abstract as well as in the keywords.

- Introduction:

- It is recommended to add some recent references in the introduction about the topic;

2.1. Materials:

- Justify the use of 50% limestone in the mixture;
- Justify with a reference the following paragraph "to decrease friction between the mix constituents and increase the flowability, the limestone powder was used to act as a filler."
- It is recommended to add an additional table showing the characteristics of fillers used,
- A name of the superplasticizer must be mentioned in the text;
- Table 1. Mix proportions of concrete: (unit of volume)?
- It is recommended to write the names and norms of each test;

-Results:

- The results must be supported and compared with previous results;

- References:

- Years must be added to all references with DOI and the site.

