

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.

The organization of the manuscript with respect to figures and discussions of test results needs to be improved.

1. The introduction requires further work and needs to be updated. Further information and updated references should be provided about the features and properties of high-strength self-consolidating concrete and polypropylene fibers.
2. Discussion of results should not be included in the section "Specimens Description".
3. Figures 6 and 7 are not mentioned and explained in the text. Results have to be supported by compelling reasons, and they need more explanations. Tables and figures need more description.
4. There is a mistake about the dimensions of the reinforced beams. It was stated in the Abstract that the dimensions of the beams are 1800 mm long, 150 mm wide, and with an overall depth of 200 mm, while it was reported in section 2.2 that the dimensions of the beams are 1600 mm, 120 mm, and 200 mm. Which of them is correct?
5. The description of the measuring system in Figure 3 must be improved.
6. In the curve legends, use MPa instead of kg/cm².
7. The acronym EFNARC should be defined first, and the standards used for testing each sample should be specified.
8. The number of mixtures must be provided on Figures 9 and 10.
9. References 1, 2, 11, and 13 do not have years of publication.
10. Reference 10 does not have a title.