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 paper is focused on the shear performance of beams made from polypropylene fiber-reinforced high-strength self-compacting concrete. The paper presents the experimental measurements. Two types of concrete were used. A total of 8 beams were made and examined - two series with different levels of fiber content. First of all, the concrete properties themselves were investigated on cube samples.

Comments:

- Chapter 2.2: Here is mentioned "EFNARC" - what does it mean? The abbreviation mentioned for the first time should be spelled out in its entirety. If it is a standard or prescription, the citation must be added to References.
- Fig. 2 - according to the text above the figure, there should be reinforcement of 3 bars of diameter 16 mm, not 2 bars of diameter 10 mm,
- Fig. 3 - dimensions (beam length) in Fig. 3 and Fig. 2 do not match: Fig. 2 - the length of the beam is 100+450+500+450+100=1600 mm; Fig. 3 - the length of the beam is 75+1250+75=1400 mm - are these different samples and beams? It is not mentioned in the text; it should be unified.
- Why were the widths of selected cracks not measured, e.g., one flexural at mid-span and one diagonal crack at the support?
- I recommend expanding the References; I think that much more has been done in that area.

Best regards.