

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

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The article addresses the important and current problem of improving the properties of concrete by using dispersed reinforcement. In my opinion, the use of polypropylene fibers is debatable, as it is known that they only slightly improve the concrete properties. In my opinion, the discussion presented in the introduction is too laconic, and the author does not go into much detail about polypropylene fibers, especially compared to other types of fibers. The description of material tests should include references to the standards used in the tests. The title of Table 2 (fresh concrete tests) does not correspond to the content (the presented strength tests were probably conducted on mature concrete). The author uses units that are inconsistent with the SI system (Figures 1, 6, 7) and sometimes does not describe them (strength in Table 2). I have not found the material parameters of rebar reinforcement used in the tests of beams. There is no information on the loading speed of the beams. How was the relative shear strain shown in Figure 8 determined? The discussion of the results is very brief, and the most important information regarding the crack spacing is missing for the crack pattern.

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