

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 summarizes the production and shear properties of polypropylene fiber reinforced concrete, but unfortunately, the overall explanation is insufficient to fully understand the contents. Significant revisions are desirable with reference to the following remarks.

The uniqueness and novelty of this study should be clarified by comparing it with similar previous fiber reinforced concrete studies.

I don't quite understand what you mean by the self-filling nature.

The diameter of the polypropylene fibers and the material of the reinforcement were not stated.

Why do polypropylene fibers decrease compressive strength and increase split tensile strength? It is desirable to consider the relationship with the process of crack initiation and development.

Microscopic observation of the fracture surface is necessary. It is important to know whether the fibers are simply pulled out or whether fiber fracture occurs.