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### Influence of Marble Powder and Fly Ash in Fresh and Hardened Properties of Self Compacting Concrete

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**Abstract :** Self-compacting concrete has gained wide use since it has the advantage of compacting on its own weight<sup>8</sup>. This study leads to the use of marble powder which comes as an industrial waste and fly ash to partially replace cement in self-compacting concrete. The use of marble powder as replacement of cement gradually enhances both fresh and hardened properties of concrete especially with lower w/p ratio. The main objective of the study is to utilize the marble powder in self-compacting concrete, as filler material and to study the effect of marble powder and fly ash on fresh and hardened properties of self-compacting concrete.

**Keywords :** Marble powder, Fresh concrete, Compressive strength and Split tensile strength.

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