

Effect of Different Types of Super Plasticizers on the Properties of High Strength Concrete Incorporating Large Amounts of Silica Fume

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High strength concretes incorporating large amounts of silica fume (SF) are analyzed for different types of admixtures. Properties of fresh and hardened concrete were analyzed for dosages of SF between 30% and 50% and were compared with 10% SF. Influence of admixtures in the case of large amounts of SF is significant only in the case of fresh concrete. In the case of hardened concrete, for admixture type super plasticizer containing calcium sulfonat can be obtained the best results.

Key Words:

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