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SHORT COMMENT Open Access

Segregation of Concrete Mix

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Introduction

Segregation of concrete is the separation of concrete ingredients so that their distribution in the concrete mix is not uniform. Over-vibration or compaction of concrete can also cause segregation, with

most common when concrete is mixed on the job by inexperienced employees. 2. Heavy particles sink at the bottom of the concrete when it is overvibrated with mechanical needle vibrators, while lighter cement sand paste rises to the top. 3. When concreting underground foundations and ra s from a height, the concrete segregates. Soil stabilization can be achieved by following methods,

How to control segregation of concrete?

- e segregation can be controlled by using appropriate aggregate grading and taking care when handling, shipping, and putting concrete.
- Segregation is less likely if the concrete does not have to

table test, which is used to determine concrete workability, can used to determine segregation. Segregation is aided by the jolti during the test. If the mix isn't cohesive, the larger aggregate p will separate and travel to the table's edge. In the test, another segregation is conceivable. e coarse aggregates are le behind cement paste runs away from the table's centre. A concrete c or cube is vibrated for roughly 10 minutes and then stripped to for segregation caused by excessive vibration. Segregation discovered by looking at the distribution of coarse particles.

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