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Method for reducing samples of aggregate to testing size

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Land, Infrastructure, Transport and Tourism through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Concrete Institute (JCI) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Method for reducing samples of aggregate to testing size

1 Scope

This Japanese Industrial Standard specifies the method for reducing fine aggregate and coarse aggregate to the specified size. Regarding coarse aggregate, this Standard is applicable to that of maximum size 40 mm therefore not applicable to that over 40 mm.

Aggregate over 40 mm shall be reduced in other reasonable methods.

2 Terms and definitions

For the purposes of this Standard, the following terms and definitions apply.

2.1 reduction

act of reducing the mass (volume) of aggregate by preventing the fluctuation of characteristic values of aggregate whenever possible

2.2 quartering

method for reducing samples of aggregate to approximately a half by spreading them to a circle, dividing into four quarters and removing two diagonally opposite quarters of sectorial aggregate

2.3 sample splitter

instrument for reducing samples of aggregate to approximately a half by dividing aggregate into halves with parallel slits

3 Instruments

3.1 Shovel

Shovel used for quartering shall be of straight edge, and of size large enough to uniformly remove the aggregate to be reduced.

Small, square-edged hand scoop may be used for fine aggregate.

3.2 Sample splitter

Sample splitter shall be used for fine aggregate and coarse aggregate, and be composed of a body, aggregate charger and receptacles (see figure 1). The specification of each part of sample splitter shall be as follows.