

KS

KOREAN INDUSTRIAL STANDARD

Testing Method for Lightweight Pieces in Aggregates

KS F 2513: 2002

**Korean Agency for Technology and Standards
Ministry of Commerce, Industry and Energy**

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The original standard in Korea is to be evidence.**

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1. Scope

This standard specifies the testing method for lightweight pieces in aggregates.

2. Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of the standard. The most recent editions of the standards indicated below should be applied.

KS A 5101 Test sieves

KS F 2501 Method of sampling aggregate

KS F 2523 Definitions of terms relating to aggregates

3. Testing Equipment and Apparatus

3.1 Balance

Balance shall have minimum of 0.1g of precision with greater than 500g capacity for fine aggregates. For coarse aggregates, balance shall have minimum of 1g of precision with greater than 5000g capacity

3.2 Container

The container shall be proper to dry the specimen and to contain high-density liquid used for sink-and-float separation method.

3.3 Scoop

The scoop shall have 0.3mm sieve and shall be big enough to filter the floating aggregate parts in the high-density liquid.

3.4 Heating Plate and Brush

3.5 Sieve

Sieve shall be 0.075mm and 5mm as specified in **KS A 5101**.

3.6 Specific Gravity Balance

Specific gravity shall have within 0.01 sensitivity.

4. High-density Liquid Specimen

- a) High-density liquid is mixed with carbon tetrachloride, Acetylene tetrabromide, bromoform and monobromobenzene ⁽¹⁾ or bromoform and benzene. The mixing ratio of each agent shall comply with the