

FLAKINESS & ELONGATION APPARATUS

BE 53

Flakiness and elongation are properties used to describe the shape of aggregate particles in construction materials, particularly in civil engineering for concrete, asphalt, and road base applications. These properties are critical because they affect the workability, strength, and durability of the final material.

FOLLOWING STANDARD

IS: 2386 (Part 1), IS: 2386 (Part 1)

DISCRIPTION

BE 53-01	Flakiness/ Thickness Gauge
BE 53-02	ELONGATION/LENGTH GAUGE

FLAKINESS/THICKNESS GAUGE

Definition: Flakiness refers to the tendency of an aggregate particle to be flat or thin, where one dimension (usually thickness) is significantly smaller than the other two dimensions (length and width).



ELONGATION/LENGTH GAUGE

Definition: Elongation refers to the tendency of an aggregate particle to be long and slender, where one dimension (usually length) is significantly larger than the other two (width and thickness).

