AGGREGATE > PHYSICAL PROPERTIES

TILE IMPACT RESISTANCE TEST (Ball-Drop)

Code : R015



- The Tile Impact Resistance (Ball-Drop Test) apparatus is used to evaluate the impact resistance of ceramic tiles and similar materials by measuring their ability to withstand the impact of a falling steel ball under controlled conditions.
- This test method is essential for assessing the durability and performance of tiles in areas subject to mechanical impacts, ensuring compliance with international quality standards.
- The apparatus consists of two vertical guide rails, each 2 meters in height, providing a stable and accurate drop path for the steel ball, ensuring consistent impact conditions across tests.
- A robust tray securely holds the tile specimen during testing, preventing movement and containing any fragments resulting from impact.
- An adjustable platform with a centered 65 mm diameter hole allows precise alignment of the steel ball over the test specimen, facilitating accurate and repeatable drop tests.
- The manual release mechanism ensures controlled and consistent release of the steel ball from the specified height, eliminating variability in drop conditions.

- The apparatus is supplied with a solid steel ball of approximately 60 mm in diameter, simulating real-world impact scenarios on tile surfaces.

TECHNICAL SPECIFICATIONS

- Mills: 2 vertical mills, 2 meters each
- Drop Height: Adjustable up to 2 meters
- Platform Hole: 65 mm diameter
- Drop Mechanism: Manual release

SUPPLIED WITH

- Solid steel ball (Ø 60 mm)

ORDERING INFORMATION

Item Name	Item Code
TILE IMPACT RESISTANCE (Ball-Drop Test)	R015H00XH