



FALLING BALL IMPACT TESTER FOR FLOORING

ASTM D2394

Torontech Falling Ball Impact Tester, model ToronImpact™-FBF, is specifically designed to evaluate the resistance of flooring and wood-based products to impact and indentation in accordance with ASTM D2394. This robust and user-friendly system simulates real-world conditions by dropping a steel ball from adjustable heights to determine the durability of surfaces such as plastic flooring, wood panels, and interior doors.

Whether for R&D, production quality control, or third-party certification, the ToronImpact-FBF delivers precise and repeatable test results for surface impact performance.

APPLICATIONS

Applications

1. Plastic, PVC, and Vinyl Flooring
2. Engineered Wood and Laminate Panels
3. Composite Surface Materials
4. Interior Doors and Wall Panels

This tester is ideal for product development, durability verification, and conformance testing in construction, interior design, flooring manufacturing, and materials research industries.

Torontech is a trusted global supplier of innovative material testing technologies. With a focus on standards compliance and advanced engineering, our solutions help manufacturers ensure product performance, durability, and regulatory conformity.

Choose ToronImpact-FBF for reliable, accurate, and standard-compliant impact resistance testing of flooring and surface materials.

FEATURES

Key Features

- 1. Fully Compliant with ASTM D2394 – Trusted method for evaluating surface durability of wood and flooring materials.
- 2. Adjustable Impact Height – Test range from 6 inches (152 mm) to 6 feet (1800 mm) for varied material requirements.
- 3. Precision Drop Ball Assembly – Utilizes a 2-inch (51 mm) diameter steel ball weighing 1.18 lb (535 g).
- 4. High Safety and Accuracy – 100% anti-rebound catching mechanism ensures safety and accurate results.
- 5. Rigid and Reliable Test Base – Specimen support span of 200 mm ±1.0 mm for stable sample positioning.
- 6. Compact and Durable Design – Built for industrial use with minimal maintenance and simple operation.

TECHNICAL SPECIFICATIONS

Specification	Details
Steel Ball	2 in (51 mm) diameter, 1.18 lb (535 g)
Impact Height	6 in (152 mm) to 6 ft (1800 mm) adjustable
Height Accuracy	±2 mm
Support Span	200 mm ±1.0 mm
Anti-Rebound Mechanism	100% catch rate

Specification	Details
Voltage	220V AC $\pm 10\%$, 50 Hz, 100W (110V is also available)



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