Deep Abrasion Tester Bricks and Tiles

LT-A0069 | Controlled surface testing with a steel wheel and abrasive

Digital revolution counter • Automatic stop • Secure specimen holding



75 rpm

ABRASION WHEEL ROTATION SPEED

190 kg

MACHINE WEIGHT

ISO 10545-6 • Deep abrasion testing of unglazed ceramic tiles

LT-A0069

Photograph and Machine Components

Abrasive hopper, steel wheel, controls and lower collection section

LT-A0069 applies a steel wheel and abrasive powder to the specimen surface to produce a wear groove. A digital counter tracks the target revolutions and stops the machine automatically at the end of the preset cycle.

CONTROL PANEL

The digital revolution counter and operating controls manage the test cycle.

ABRASIVE POWDER HOPPER

The upper hopper feeds abrasive into the working zone between wheel and specimen.



LOWER COLLECTION SECTION

The enclosed lower section facilitates collection of used abrasive powder and test residues.

WHEEL AND SPECIMEN HOLDER

The steel wheel rotates against the sample. The holder maintains specimen position throughout testing.



Steel wheel, specimen holder and working zone



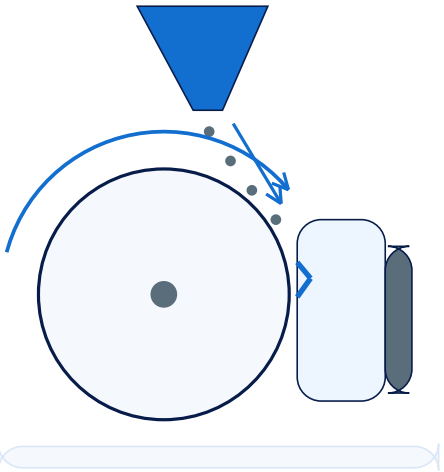
Digital counter and control panel detail

LT-A0069

Deep Abrasion at the Wheel Contact

Secure specimen • Feed abrasive • Rotate wheel • Measure the groove

STEEL WHEEL + ABRASIVE + SPECIMEN



75 rpm

CONTROLLED ABRASIVE FEED

SPECIMEN: SUITABLE TEST SURFACE

RESULT: WEAR GROOVE AND MATERIAL LOSS

OPERATING PRINCIPLE • REPRESENTATIVE SIDE VIEW • NOT TO SCALE

Secure the Specimen

Prepare the piece according to the method. Clean the test surface and secure it opposite the wheel.

Feed Abrasive and Rotate

Add the prescribed abrasive to the hopper. Set target revolutions; the machine stops at completion.

Measure the Wear Groove

Remove the specimen and clean the groove. Apply the measurements and calculation required by the method.

The rotating wheel and abrasive particles remove material from the specimen surface. The holder keeps the contact zone stable. Assess groove dimensions after the cycle according to the method; under the same conditions, lower material loss indicates greater abrasion resistance.

Testing Unglazed Ceramic Tiles

ISO 10545-6 describes deep abrasion testing of unglazed ceramic tiles used for floor coverings. Evaluate results with the specimen type and applicable product requirements.

Match specimen preparation, abrasive feed, wheel contact and total revolutions to the method. Record sample orientation and test conditions consistently throughout a comparison series.

Special Mould and Abrasive Options

The LT-A0069/1 special mould is available for EN 12808-2 applications. Match the mould to specimen geometry and the test method.

LT-A0058/1 abrasion powder is available in a 50 kg pack; LT-A0058/3 is the 1 kg option. After testing, clean the wheel, holder and feeding section, then remove remaining abrasive and residues from the lower section.

Technical Specifications and Accessories

LT-A0069 • Machine, special mould and abrasive powder options

Machine Specification	Value / Description
Product Code	LT-A0069
Test System	Steel wheel and abrasive powder
Wheel Rotation Speed	75 rpm
Revolution Control	Digital counter / stop at preset revolutions
Specimen Position	Secure holder for controlled contact
Overall Dimensions	65 × 70 × 200 cm
Machine Weight	190 kg
Power Supply	380 V

Accessory Code	Description / Option
LT-A0069/1	Special mould / EN 12808-2
LT-A0058/1	Abrasion powder / 50 kg
LT-A0058/3	Abrasion powder / 1 kg

Match the Test Method to the Specimen Type

ISO 10545-6 covers deep abrasion of unglazed ceramic tiles. Use the appropriate special mould for EN 12808-2 applications; select specimen and abrasive conditions by the method.

From Specimen to Deep Abrasion Result

01
Prepare
Prepare, clean and secure the test specimen.

02
Feed
Add the prescribed powder and check its feed.

03
Abrade
Set target revolutions and start the cycle.

04
Measure
Clean and measure the groove; calculate results.

Product Page | liyatest.com.tr/en/urun/abrasion-tester-for-bricks-and-glazed-tiles/