CEN Standard Sand

LT-CE0075 | EN 196-1 cement strength testing

Controlled grading • Siliceous material • Pre-weighed package



1350 ± 5 g

SAND QUANTITY PER BAG

0.08–2.00 mm

PARTICLE SIZE RANGE

One standard mortar batch • Three 40 × 40 × 160 mm prisms

LT-CE0075

Photographs and Product Features

Packaged test sand, product identification and preparation

CEN Standard Sand is used to prepare standard mortar for cement strength testing. Controlled grading and pre-weighed quantities support comparable preparation conditions. Associate package information with the test record.

PACKAGED SUPPLY

Sand quantity prepared for one standard batch. Check package integrity before use.

PRODUCT IDENTIFICATION

Associate product and batch information with the test record. Follow laboratory traceability procedures.



SAND FRACTIONS

Particles in the 0.08–2.00 mm range form controlled grading. Use the full package in the batch.

PACKAGE QUANTITY

Each bag contains 1350 ± 5 g sand. Use the entire package for one standard mortar batch.



Packaged CEN standard sand

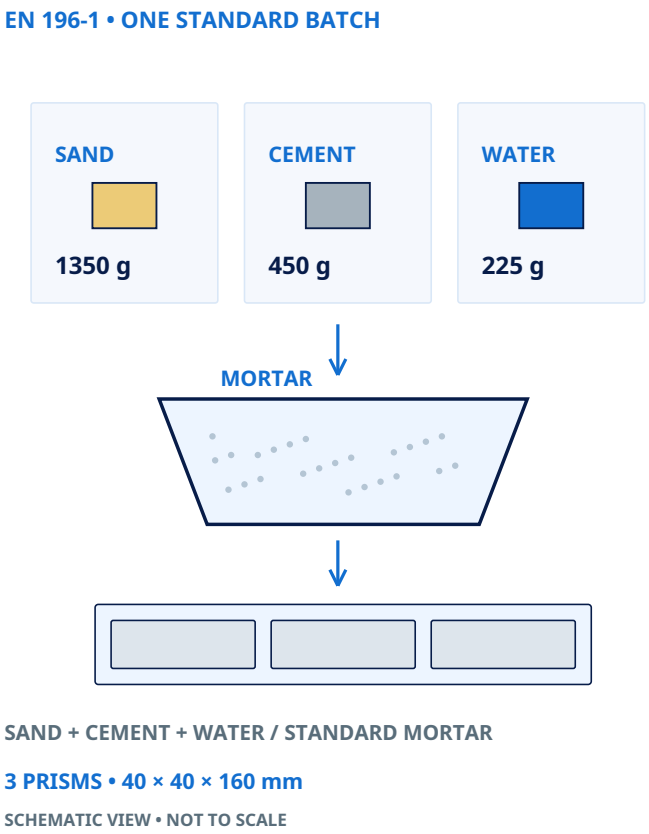


Package and product identification detail

LT-CE0075

Standard Mortar Preparation Principle

Check materials • Prepare quantities • Mix • Mould prisms



Prepare Materials

Prepare one bag of sand, 450 ± 2 g cement and 225 ± 1 g water. Record material identities.

Mix to the Method

Combine cement, water and sand using the specified sequence and times. Keep preparation conditions consistent.

Mould and Cure

Place mortar in the three-gang prism mould. Compact and cure according to the test method.

The standard batch has a nominal sand/cement mass ratio of 3:1 and a water/cement ratio of 0.50. Consistent quantities, grading and preparation method provide comparable testing conditions between cement samples.

Quantities and Mixing Sequence

Use the whole sand bag in one standard mortar batch. Weigh cement and water within the specified tolerances. Nominal quantities are 1350 g sand, 450 g cement and 225 g water.

Keep the mixer and bowl clean. Combine materials using the sequence and times in EN 196-1. Record quantities and the cement sample used.

Package Checks and Specimen Records

Keep the package closed until use and protect it from moisture and contamination. Assess damaged packaging or altered material through the laboratory control procedure.

Record the sand batch, cement identity and preparation date. Apply moulding, compaction and curing conditions consistently to the test method. Review strength results together with the specimen preparation record.

LT-CE0075

Technical Specifications and Mortar Mix

LT-CE0075 • EN 196-1 • Sand for standard cement mortar preparation

Specification	Product Information
Product Code	LT-CE0075
Product	CEN Standard Sand
Package Quantity	1350 ± 5 g
Particle Size	0.08–2.00 mm
Particle Shape	Isometric and rounded
Material	Siliceous sand fractions
Standard	EN 196-1

Constituent / Specimen	One Standard Batch
Sand	1350 ± 5 g
Cement	450 ± 2 g
Water	225 ± 1 g
Prism Specimens	3 specimens; each 40 × 40 × 160 mm

Package Integrity, Quantities and Traceability

Use the complete package and check cement and water quantities. Associate the sand batch with specimens; follow the method for mixing, compaction and curing.

Standard Mortar Preparation Workflow

01
Check
Check package, sand batch and cement identity.

02
Measure
Prepare one sand bag, cement and water.

03
Mix
Use the method's mixing sequence and times.

04
Mould
Prepare three prisms; compact and cure.

Product Page | liyatest.com.tr/en/urun/cen-standard-sand/