Concrete Cube Moulds

LT-C0001-C0006 | Moulds • LT-C0007 | Carrying tongs

Plastic • Polyethylene • Steel • Single and two-cavity options



100 / 150 / 200 mm

CUBE SPECIMEN EDGE LENGTH

6 models

MOULD OPTIONS

EN 12390-1 • Preparation of concrete cubes with defined geometry

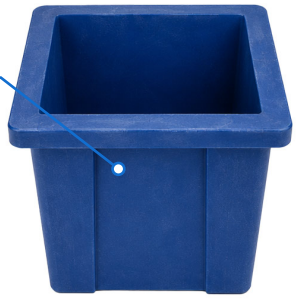
Photographs and Mould Construction

One-piece plastic body, internal cavity, two-cavity model and steel option

Concrete cube moulds prepare specimens of defined dimensions for compressive testing. Plastic and polyethylene models offer one-piece bodies; removable steel moulds provide rigidity and machined internal surfaces to support specimen geometry.

ONE-PIECE BODY

Plastic models offer a body that does not require component assembly before filling.





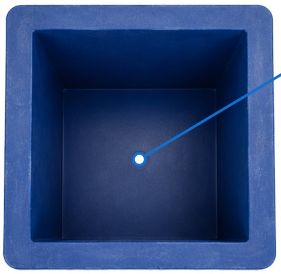
OPEN SPECIMEN CAVITY

Top access allows placement and compaction of fresh concrete, followed by surface finishing.

BODY REINFORCEMENTS

External stiffening features help the mould retain its shape.





INTERNAL BASE AND SURFACES

Smooth internal surfaces define cube geometry. The base opening in plastic moulds is used for demoulding.



LT-C0001 • Two-cavity 100 mm plastic cube mould

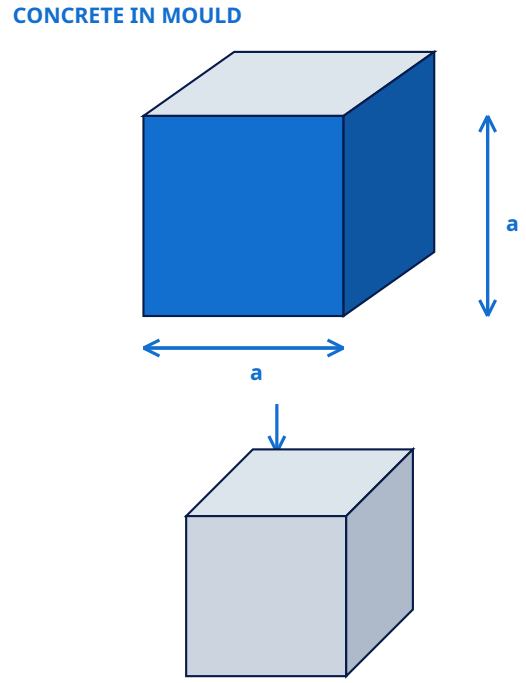


Steel cube mould • Machined cavity and connections

Operating Principle and Specimen Preparation

Clean • Fill and compact • Finish the surface • Cure and demould

FROM MOULD TO CONCRETE CUBE



Prepare the Mould

Clean internal surfaces and apply a suitable release agent. Check the fasteners on steel models.

Fill and Compact

Place and compact fresh concrete using the chosen procedure. Finish the top level with the mould edge.

Cure and Demould

After initial curing, demould using the method suitable for the mould type. Transfer to controlled curing conditions.

The specimen has three equal edges; the internal mould dimensions define the cube size. Check surfaces, corners and any joints before casting. Choose specimen size according to the concrete properties and the selected test method.

Plastic and Steel Construction

LT-C0001 has two cavities for two 100 mm cubes. LT-C0003 plastic and LT-C0004 polyethylene models prepare 150 mm specimens.

Plastic models allow air- or water-assisted removal through the base opening. Steel components are separated after releasing the fasteners. Protect specimen edges and corners during demoulding.

Curing, Geometry and Handling

EN 12390-1 defines specimen and mould geometry. ASTM C192/C192M covers laboratory specimen preparation and curing.

After initial curing, transfer the specimen to the required curing conditions. LT-C0007 tongs help carry the concrete cube. Distinguish internal specimen dimensions from overall mould dimensions.

LT-C0001-C0007

Specifications and Model Selection

Six mould models and carrying tongs • Internal and overall dimensions, and weight

Product Code	Mould / Accessory	Internal (cm)	Overall (cm)	Weight (kg)
LT-C0001	Plastic, two-cavity	10 × 10 × 10	26 × 12 × 12	2
LT-C0002	Steel, 100 mm	10 × 10 × 10	27 × 27 × 12	7
LT-C0003	Plastic, 150 mm	15 × 15 × 15	22 × 22 × 18	2.2
LT-C0004	Polyethylene, high quality	15 × 15 × 15	22 × 22 × 18	2.8
LT-C0005	Steel, 150 mm	15 × 15 × 15	30 × 21 × 16	16.2
LT-C0006	Steel, 200 mm	20 × 20 × 20	33 × 27 × 22	20.2
LT-C0007	Cube carrying tongs	-	14 × 5 × 90	2.5

Common Feature	Description
Specimen Type	Concrete cube
Mould Materials	Plastic / polyethylene / steel
Specimen and Mould Geometry	EN 12390-1
Laboratory Preparation and Curing	ASTM C192/C192M

Model Selection and Specimen Integrity

Choose the mould for the required cube size and working arrangement. Inspect surfaces and connections before casting; follow the relevant method for filling, compaction, demoulding and curing.

Specimen Preparation and Use Workflow

01
Prepare
Clean the mould; check release agent and joints.

02
Fill and Compact
Place concrete and finish the surface.

03
Apply Initial Curing
Keep the specimen in suitable initial conditions.

04
Demould and Cure
Remove carefully; continue controlled curing.

Product Page | liyatest.com.tr/en/urun/concrete-cube-moulds/