Asphalt Mixer

LT-AS0008 / LT-AS0009 / LT-AS0010 | EN 12697-35

Adjustable speed • Stainless steel bowl • Optional electric bottom heater



5 / 10 / 20 L

MIXING CAPACITIES

200 °C

MAXIMUM FOR THE 20 L HEATER OPTION

Asphalt mix design • Marshall preparation • Laboratory quality control

Photograph and Mixing Components

Speed control, stainless steel bowl, paddle and bottom heater

The asphalt mixer blends bitumen and aggregate at controlled speed in the laboratory. An optional bottom heater helps maintain hot-mixture temperature conditions. The photograph shows an example installed with a heater.

SPEED CONTROL

Use the integrated potentiometer to adjust mixing speed for the specimen.

MIXING BOWL

The stainless steel bowl contains aggregate and bitumen during mixing.

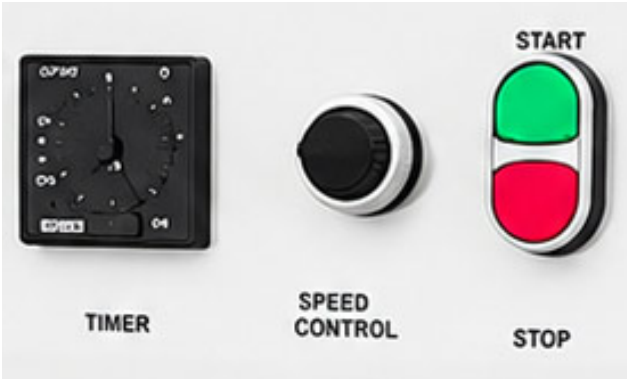


MIXING PADDLE

The rotating paddle supports uniform distribution of binder through the aggregate.

OPTIONAL HEATER

The electric bottom heater helps reduce heat loss during mixing.



Timer, speed adjustment and start controls

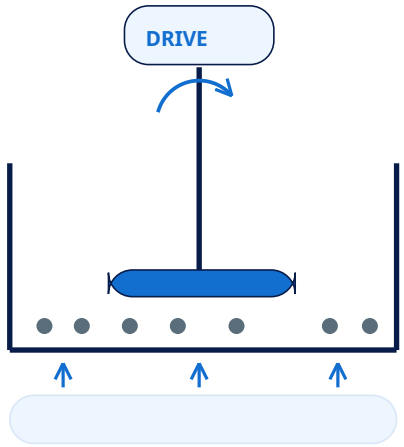


Mixing bowl and paddle connection

Hot Mixture Preparation at Controlled Speed

Prepare recipe • Set temperature • Mix • Collect specimen

PADDLE + STAINLESS BOWL + HEATER OPTION



OPTIONAL BOTTOM HEATER

PADDLE MOTION BLENDS AGGREGATE AND BITUMEN

SPEED • TIME • MIXTURE TEMPERATURE

AGGREGATE + BITUMEN • CONTROLLED MIXING

Prepare a homogeneous laboratory mixture

REPRESENTATIVE MIXING DIAGRAM • NOT TO SCALE

Prepare Materials

Prepare aggregate and binder quantities for the recipe. Establish the test temperature.

Position Bowl and Mix

Position the bowl and paddle correctly. Mix at a suitable speed and duration.

Collect and Record

Collect the mixture for the next test. Record recipe, temperature, duration and specimen ID.

The special paddle moves aggregate and binder through the bowl. Speed is adjusted with a potentiometer; the optional heater helps limit temperature loss. Select mixing time, temperature and specimen quantity under the applicable test method.

Capacity and Heater Selection

LT-AS0008 provides 5 L, LT-AS0009 10 L and LT-AS0010 20 L capacity. Select the stainless steel bowl and paddle for the model capacity.

The electric bottom heater is optional and has a separate product code. The 20 L heater option can operate up to approximately 200 °C. This limit applies to that heater option.

Supply, Accessories and Records

Mixers and electric bottom heaters use 220 V, 50-60 Hz, single-phase supply. Mixing bowls, paddles and heaters can be supplied under separate codes.

Clean the bowl and paddle after use. Match recipe, temperature, duration and applied speed setting to the specimen record.

Model and Accessory Comparison

5, 10 and 20 L models • Bowls, paddles and optional bottom heaters

Product Code	Capacity (L)	Dimensions (cm)	Weight (kg)
LT-AS0008	5	30 × 55 × 65	55
LT-AS0009	10	70 × 75 × 80	75
LT-AS0010	20	70 × 75 × 95	110

Accessory Code	Component	Dimensions (cm)	Weight (kg)
LT-AS0008/1	Mixing bowl 5 L	-	-
LT-AS0008/2	Mixing paddle	-	-
LT-AS0008/3	Bottom heater (opt.)	Ø25 × 30	5
LT-AS0009/1	Mixing bowl 10 L	-	-
LT-AS0009/2	Mixing paddle	-	-
LT-AS0009/3	Bottom heater (opt.)	Ø30 × 35	7
LT-AS0010/1	Mixing bowl 20 L	-	-
LT-AS0010/2	Mixing paddle	-	-
LT-AS0010/3	Bottom heater (opt.)	Ø40 × 40	10

Match Bowl, Paddle and Heater to the Mixer Model

Select capacity for specimen volume. /1 denotes the bowl, /2 the paddle and /3 the optional bottom heater. Manage temperature, speed and time under EN 12697-35.

From Mix Recipe to Prepared Asphalt Specimen

01
Prepare
Prepare aggregate and binder for the recipe.

02
Set
Set speed, time and required temperature.

03
Mix
Blend using the bowl and paddle.

04
Record
Collect the mixture and record test conditions.

Product Page | liyatest.com.tr/en/urun/asphalt-mixer/