

Don't leave your Test Cylinders out in the **Cold** or **Heat**

The Best Got Better

THERMOCURE

Concrete Cylinder Curing Boxes



Since 2019

Heater with built-in thermostat

Thermostatic Expansion Valve
with dryer for increased
efficiency

Smaller Model Available

Water Circulation Pump
*now standard on all Thermocure II
Models*

WHY a Thermocure Curing Box?

- **EASILY TRANSPORTABLE, LIGHTWEIGHT**
Incredibly Durable and Rustproof Cooler
Cooler made of Low-Density Polyethylene
- **BEAR RESISTANT COOLER**
Certified by U.S. Dept. of Forestry
- **USES WATER TO HEAT/ COOL CYLINDERS**
Minimal Temperature Loss When Lid is Opened
- **STURDY, 14 GAUGE STAINLESS STEEL BOTTOM RACK**
Provides Optimum Water Circulation for Even Curing
- **LOCKABLE LID WITH SOLID FULL-LENGTH HINGE**
For Tamper-Resistant Testing
- **STURDILY MOUNTED HEATING/ COOLING UNIT**
Compact; Maintenance Free
- **PRESET TEMPERATURE CONTROL**
Thermostat Controlled for Trouble-Free Curing
- **WATER CIRCULATION PUMP**
Helps eliminate uneven temperature distribution
(Thermocure II only)
- **BOTTOM VALVE**
For Fast Draining
- **STANDARD 110V AC PLUG**
- Holds 22 STANDARD 6"x12" Test
Cylinders (320 Qt. Cooler)
- Complies with INITIAL and FINAL cure
requirements
- Retains MOISTURE during initial cure
- 30+ YEARS of DEPENDABLE In-Field
Service
- Meets AASHTO T23 and ASTM C31 Curing
Requirements
- USE OF THERMOSTATIC EXPANSION
VALVE and DRYER for increased efficiency
(Thermocure II only)

CURING BOX FEATURES

Feature	Thermocure II	Thermocure I
Weight	175 lbs.	115 lbs.
Light Weight LDPE Construction	YES	YES
Uses Water to Retain Temperature	YES	YES
Water Circulation Pump, standard	YES	NO
Stainless Steel Bottom Rack	YES	YES
Lockable Lid	YES	YES
Standard 110V Power Supply	YES	YES
Bottom Drain	YES	YES
Complies with Initial Curing Requirements	YES	YES
Complies with Final Curing Requirements	YES	YES
Capacity for 6"x12" Test Cylinders (without stacking)	22	22
Capacity for 4"x8" Test Cylinders (without stacking)	46	46
Proven Long Term In-Field Service Life	YES	YES
Outside Dimensions (Height, Width, Length)	23" x 25" x 79"	23" x 22" x 68"
Inside Dimensions (Height, Width, Length)	18" x 17" x 56"	18" x 17" x 56"
Heats and Cools	YES	Heats Only

The importance of proper curing:

- Initial field standard curing involves storing the specimens for a period of up to 48 hours in an environment that maintains a curing temperature in a range of 60-80 degrees F. After initial field standard curing, the specimens are transported to the testing laboratory and stored at a temperature of 73.5 +/- 3.5F in water storage tanks or moist rooms.
- If initial field standard curing is not in accordance with ASTM C31/C31M, there may be up to a 20% reduction in the 28-day compressive strength.
- High and or low temperature and moisture loss during initial standard curing in the field will reduce the 28-day strength, even if standard curing is provided subsequently in the laboratory.
- Effect of initial field standard curing under high or low temperature conditions on compressive strength. Initial curing 24 hours.
 - o Outdoor exposure in curing box with thermostatic control in water; 100% relative strength.
 - o Outdoor exposure in curing box WITHOUT water; 88% relative strength.
 - o Outdoor exposure to sunlight not protected; 85% relative strength.
 - o Outdoor exposure covered with wet burlap and plastic; 83% relative strength.

Keeping Concrete Test Cylinders In Spec Has Never Been So Easy

Thermocure holds 22 standard 6" x 12" test cylinder molds (can be adapted to hold beams) and has a built-in-temperature control which is present at 73°. Thermocure is tested at the factory so you can be assured that your specimens will stay at the required temperature no matter what the conditions.

Just keep them covered with water and turn on the box.

Lighter, More Durable!

State-of-the-Art plastic construction will never rust or corrode. With Thermocure II at 175 lbs. and Thermocure I at only 115 lbs. they can be easily hand carried to and from the job site. Compare this to competitive steel units weighing up to 400 lbs.



Construction Innovations Co. Inc.