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

THERMOCURE

Concrete Cylinder Curing Boxes

Features:

Heater with built-in thermostat

Thermostatic Expansion Valve with dryer for increased efficiency

Water Circulation Pump
standard on all Thermocure II Models

Wireless Match-Curing now available!!

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 TEMPERTATURE CONTROL
  Thermostat Controlled for Trouble-Free Curing
- WATER CIRCULTION 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)

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Manufactured in the U.S.A. in Malta, NY

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.
    - Outdoor exposure in curing box with thermostatic control in water; 100% relative strength.
    - Outdoor exposure in curing box WITHOUT water; 88% relative strength.
    - Outdoor exposure to sunlight not protected; 85% relative strength.
    - 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.

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