

MATERIAL TEST/CURE ROOMS

Our walk-in Materials Test and Cure Rooms offer reliable, efficient environmental controls for a variety of applications including shelf-life testing and storage, ceramic and concrete wet and dry cure regimens (including ASTM-compliant units), thermal shock chambers, general, medical and packaging materials. Some ASTM standards we conform to are C309-06, C156-05, C511-13, C666, C31, C192.

Benefits

- Nearly unlimited Customizable options.
- Flexible configurations/room-sizes are modular and reconfigurable.
- Conformity with standards is assured.
- Air flow systems are specially engineered to meet the requirement of each individual chamber.
- With ease, our curing rooms can maintain your desired temperature and humidity, they are the ideal place for curing your cement specimens for further testing.
- Supplied with LED lights which emit significantly more light per unit of input energy than fluorescent bulbs. They also produce less radiant heat, and with less heat used, the cooling requirement for the controlled environment is diminished and the total energy used by an LED-equipped chamber is substantially reduced.



Standard Features

- Temperature / Humidity Uniformity
- Conformity with Standards
- Non-Proprietary Controls
- Ongoing Sustainability
- Pre-tested and Pre-charged Refrigeration Systems
- No Burn Permits Required
- Remote Monitoring / Alarming
- Simple Redundancy Options
- Calibration, Validation and Preventive Maintenance
- CSA certified control panel (UL equivalent)

Optional Features

- Back-up control / Conditioning
- Stainless Steel and Special Surfacing
- Ethernet / Remote Monitoring / Alarming
- Corrosive Resistant Equipment
- Humidification and Desiccant Dehumidification, with UV Disinfection
- Multi-Point Digital Recording
- 4-6" Foamed Polyurethane Panels
- Water-Cooled or Air-Cooled Condensers
- Available Service Agreements
- Unlimited Door / View Window Sizing
- Can Accommodate Rapid Cycling
- 700 lbs/ft² Floor is Standard; High-Load
- Capacity Available to 5,000 lbs./ft²
- Evenly-Distributed Weight
- High-Density Shelving Systems
- Touch Screen Control Interface

The Darwin Advantage

All installed instrumentation is calibrated to NIST traceable standards and provided with a calibration form. In-house, factory calibrations are performed using state-of-the-art equipment with great accuracies. These reports are three-point verifications, traceable calibration documents.