

## ECE Fast High Temperature Paint Testing Ovens

Test your paint samples reliable efficiently and safely.

- Accurate temperatures up to 500C°
- Built to last
- Low operating and maintenance costs
- Safe operation with flammable volatiles

These ovens are used by paint companies world wide for testing paint coating on metal test panels. The operator loads and unloads the test panel through a small door at the front of the oven. This small door means temperatures remain stable inside the oven even while the door is open for test panel loading or unloading. Excellent temperature stability is achieved in the panel test area.

ECE Fast ovens are built to last with full stainless steel interiors and solid steel outer casing. It is not uncommon to see a 30 year old ECE oven still in service. Reliable and accurate operation results from the choice of high quality components generous insulation thickness and proven design. Maintenance requirements are minimal.

Incorporation of a blow-out panel fresh air purging system makes the oven safe to use with flammable volatiles found in many paints.

The oven complies with Australian Standard AS1681 - 1974 "Electric Heating Ovens in Which Flammable Volatiles Occur". Purging air is provided to remove any flammable volatiles before they reach a level that is explosive. In the event that the atmosphere explodes the blow out panel located at the back of the oven pops out into the blow-out panel safety cage and relieves the pressure within the oven so the oven does not explode and the operator is not injured.



**Specification of this oven as follows:**

- Temperatures to 500 C°
- Temperature uniformity  $\pm 2.5$  C° at 500 C°
- Working volume:  
Small oven 405 mm wide 405 mm deep 405 mm high ( 66 lt )
- Full Stainless Steel interior.
- Solid painted steel outer case.
- High performance insulation.
- Fan forced air circulation in the oven.  
( 720 watt 1400 rpm motor ) fully stainless steel fan.
- Small sample loading door in the main door of the oven.  
( opening 250 mm wide 100 mm high )
- Digital PID fuzzy logic temperature controller. Model Brainchild BC-9090
- Over temperature controller. Model Brainchild BC 902. This controller has a separate thermocouple and contactor so a failure in the primary controller thermocouple or contactor will cause the oven to shut down without damage to the oven.
- 6 kW element heating power.
- Power supply to suit your local site power. Standard is 3 phase 415 V 50 Hz.
- Oven provided with internal connection terminal strip for wiring to the site power. Optionally a 3 m lead and plug can be supplied.
- Blow-out panel 250 mm x 250 mm located on the back of the oven with safety cage.
- Exhaust vent with flow control butterfly valve.
- Complies with the requirements of AS1681 - 1974 " Electric Heating Ovens in Which Flammable Volatiles Occur"

ECE Fast has been building customised ovens for 75 years and if these specifications do not meet your requirements we can build a customised oven to meet your exact needs.

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