



## Rolling Thin-Film Oven 220-240V 50/60 Hz

Code: 46-4150/01

Product Group: [Asphalt and Bitumen Ovens](#)

The Rolling Thin-Film Oven (RTFO) procedure provides simulated short term aged asphalt binder for physical property testing. Asphalt binder is exposed to elevated temperatures to simulate manufacturing and placement ageing. The RTFO also provides a quantitative measure of the volatiles lost during the ageing process.

The exterior is constructed from sheet steel finished in an easy clean powder coated paint and the interior chamber is made from stainless steel.

The control system comprises of a microprocessor digital controller and overheat thermostat with calibrated scale and tamper-proof lock.

### Further Information

- Complies to the requirements of ASTM D2872
- Internal dimensions (mm): 380 high x 480 wide x 440 deep
- External dimensions (mm): 800 high x 710 wide x 660 deep (add 40mm for door handle)
- Double wall construction with high density thermal insulation
- Non-rusting grade 304 stainless steel interior
- Easy clean powder painted steel exterior in light grey (RAL 7035) textured finish
- Top mounted fan constructed with an air plenum as described in ASTM D2872
- Fitted with a squirrel-type fan blade for better uniformity of air and temperature distribution
- Equipped with air jet for blowing heating air into each bottle at its lowest point of travel
- Base mounted elements
- Vented to atmosphere
- Single front opening, side hinged door with positive quarter turn latching mechanism
- Double glazed window in door for viewing the test chamber

Top mounted controls comprise:

- Dual display microprocessor digital control
- Independent overheat thermostat
- Mains switch
- Flow meter to control air flow
- Indicator lamps
- 1500 watts
- Supplied with built-in 305mm diameter vertical circulator carriage for 8 sample containers
- Glass samples rotate at 15 rpm  $\pm$  0.2rpm (glass containers supplied separately)
- Temperature is controlled and pre-set at 163°C  $\pm$  1°C

### Specification

Max Temp (°C)	163°C $\pm$ 1°C (preset)
Dimensions: Internal (HxWxD)	380 x 480 x 440 mm

# Product Sheet

www.ele.com  
T +44(0)20 7193 6027



Dimensions: External (HxWxD)	800 x 710 x 660 mm
Insulation	Double wall
Internal material	304 stainless steel
Max power (W)	1500

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## Accessories



### Glass Sample Container for 46-4150 pack of 8

Code: [46-4150/11](#)