



**YUYANG INDUSTRIAL CO., LIMITED**

China Manufacturer of Fire Testing Equipment

## **Durable Fire Testing Equipment ENV 1187 Test 2 Roof Testing With Burning Brands / Wind**



- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **ENV 1187 Test 2**
- Model Number: **YY433**

- **Payment & Shipping Terms:**

- Minimum Order Quantity: **1 set**
- Price: **Negotiation**
- Packaging Details: **Plywood Box**
- Delivery Time: **20 work days**

- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **5 sets per quarter**
- Share to :

## **ENV 1187 Test 2 Roofing Test with Burning Brands and Wind, Fire Testing Equipment**

### **Description:**

This European Specification specifies four methods for determining the performance of roofs to external fire exposure. The four methods assess the performance of roofs under the following conditions:

Test 1 - with burning brands

Test 2 - with burning brands and wind

Test 3 - with burning brands, wind and supplementary radiant heat

Test 4 – with two stages incorporating burning brands, wind and supplementary radiant heat

The tests assess the fire spread across the external surface of the roof, the fire spread within the roof (Tests 1, 2 and 3), the fire penetration (Tests 1, 3 and 4) and the production of flaming droplets or debris falling from the underside of the roof or from the exposed surface (Tests 1, 3 and 4). Tests 2 and 3 are not applicable to geometrically irregular roofs or roof mounted appliances e.g. ventilators and roof lights.

The four tests listed above do not imply any ranking order. Each test stands on its own without the possibility to substitute or exchange one for another.

### **This Test 2 equipment consists of:**

Air channels equipped with fans and a lid

This air channel is made of 1.0 mm thick steel plates. The wall channel section placed between the lower and the upper air channels is made of steel plates and non-combustible fibre reinforced calcium silicate boards with a thickness of  $11 \pm 2$  mm and a density of  $680 \pm 50$  kg/m<sup>3</sup>.

## **Crib ignition stand**

The crib ignition stand is protected from air currents consists of a support of the wood crib and a line burner with five vertically oriented burner tubes. The line burner is mounted centrally on the support with the axes of the burner tubes and the lowest edge of the crib in the same plane.

## **Wood crib**

8 pcs (in which 6 pcs are nailed to the remaining 2 pcs at a distance of 8 mm between each of them) of 10 x 10 x 100 mm pine wood containing no knots make the source of fire.

Constant temperature drying oven of  $105 \pm 5^{\circ}\text{C}$

Desiccator

Balance

Timer

Air velocity measuring devices

Flow meter

**Standard:** ENV 1187 Test 2 with burning brands and wind