

Test rig for evaluating the resistance of roofing materials to external fire exposure consists of a lower air duct connected to an air supply fan, in which a perforated plate and a corrugated perforated plate are installed in series, with a perforation area of 35% and a perforation diameter of 5 mm; a fire chamber located above the lower air duct and bounded by sections of a wall duct and the removable cover of the upper air duct; an upper air duct with a fan for exhausting combustion products; a movable platform with a lift for positioning the roof sample; a fire source installed in the fire chamber directly on the test specimen. In the lower air duct, downstream of the corrugated perforated plate, an additional perforated insert is installed with an open area of at least 55% of its surface area and a perforation diameter of no more than 4 mm.