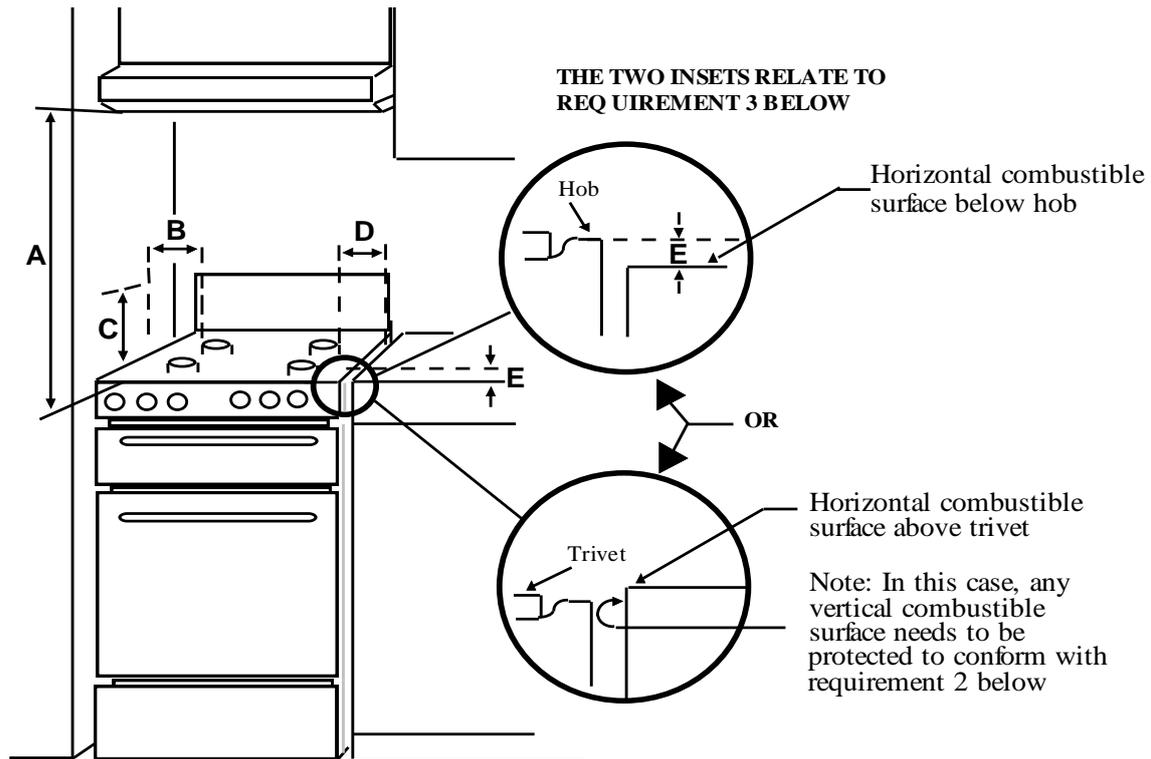


Domestic cooker clearances

This information sheet answers the most commonly asked questions on this subject.

For full details of the requirements refer to AS 5601 Gas Installations.



1. Overhead clearances (Measurement A)

Range hoods and exhaust fans shall be installed in accordance with the manufacturer's instructions. However, in no case shall the clearance between the highest part of the hob of the cooking appliance and a range hood be less than 600 mm or, for an overhead exhaust fan, 750 mm.

Any other downward facing combustible surface less than 600 mm above the highest part of the hob shall be protected for the full width and depth of the cooking surface area in accordance with AS 5601, Cl 5.12.1.2.

However, in no case shall this clearance to any surface be less than 450 mm.

2. Side clearances (Measurements B & C)

Where B, measured from the periphery of the nearest burner to any vertical combustible surface or to any vertical combustible surface covered with toughened glass or sheet metal, is less than 200 mm, the surface shall be protected in accordance with AS 5601, Clause 5.12.1.2 to a height 'C' of not less than 150 mm above the hob for the full dimension (width or depth) of the cooking surface area.

Where the cooking appliance is fitted with a 'splashback', protection of the rear wall is not required.

Gas Information Sheet No. 25

3. Additional requirements for freestanding and elevated cooking appliances (Measurements D & E)

Where D, the distance from the periphery of the nearest burner to a horizontal combustible surface is less than 200 mm, then E shall be 10 mm or more, or the horizontal surface shall be above the trivet. See insets in sketch.

Notes:

1. Requirement 3 does not apply to a freestanding or elevated cooking appliance which is designed to prevent flames or cooking vessels from extending beyond the periphery of the appliance.
2. The cooking surface area is defined as that part of the appliance where cooking normally takes place and does not include those parts of the appliance containing control knobs.
3. The definitions of hob and trivet are given in AS 5601 Gas Installations.
4. Consideration is to be given to window treatments when located near cooking appliances.

Protection

The required protection of a combustible surface shall ensure the temperature of the surface does not exceed 65°C above ambient.

Notes:

1. The fixing of 5 mm thick ceramic tiles to the surface, or attaching fire resistant material to the surface and covering with sheet metal with a minimum thickness of 0.4 mm, would satisfy this requirement.
2. Fire resistant material is defined and specified in AS 5601 Gas Installations.

Anti-tilt device

The method recommended by the appliance manufacturer to prevent the tilting of a freestanding cooker, when in the installed position, shall be used.

Gas connection for an inbuilt oven

Unless an inbuilt oven has been approved for connection using a hose assembly supplied by the appliance manufacturer, the final connection shall be of annealed copper pipe of adequate length to allow sufficient withdrawal of the oven from the recess for disconnection.

Electrical connection for an inbuilt oven

An electrical connection for an inbuilt oven shall be to a readily accessible switched general purpose outlet located outside and adjacent to the oven recess. Any penetration of a partition for the power supply cord shall be large enough to allow the plug to pass through.

Advice to cabinet makers and installers

If a gas hotplate or upright cooker is to be installed, it is advisable to locate the top cupboards or any range hood at least 620 mm above the base cupboards so that the required clearance of 600 mm above the appliance hob can be met.

Measurement A in the sketch is from the highest part of the hob and this distance must not be reduced below the minimum indicated.

The hob height must always be taken into account when installing cupboards, or a range hood, over a cooking appliance, or when installing a cooking appliance to fit under an existing cupboard or range hood.

The distance between the highest part of the hob and an adjacent bench can also vary considerably depending on cooker design, bench height or method of cooker installation.

Floor coverings

Laying floor tiles beneath a cooking appliance can raise its height considerably. This should be taken into account when selecting the type of floor covering.

If further information is required, please phone the Gas Safety Technical Information Line on 1800 652 563.

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