

FLOOR PROTECTOR OR INSULATED HEARTH?

In all instances a hearth or floor protector is required underneath a TFS650 or TFS1000 Indoor Wood fireplace, and in front of the TC950 Indoor Wood Fireplace, when the fireplace is installed onto a combustible floor. Whether a simple floor protector or an insulating hearth is required, will depend on the installation height of the fireplace selected.

Escea Indoor Wood Fireplaces have a recommended install height and if installed at this height, a floor protector **ONLY** is required above a combustible floor. (*Measured from floor to base of the fireplace*).

TFS650	300mm
TFS1000	375mm
TC950	235mm

When installing the fireplace below the recommended heights, combustible materials can be exposed to greater levels of heat. This will require the use of an insulated hearth in accordance with *AS/NZS2918 Domestic Solid Fuel Burning Appliances – Installation*.

DECORATIVE FINISHES

The floor protector or insulated hearth must be finished in a non-combustible and heat resistant material. Materials should also be suitable for their purpose, to resist impact from dropped logs, remain colourfast, and be hard wearing. Specifiers, owners, and installers **MUST** ensure that materials used around the fireplace are suitable for the intended project.* Consider the following when selecting a material:

- Non-Combustible Materials** – A material that will not ignite, burn or support combustion.
- Heat Resistant Materials** – Materials that can resist and remain unaffected by heat.
- Combustible Materials** – A material that is easily ignited or burned.
- Heat Sensitive Materials** – Materials that respond to heat or changes in temperature. They still may be classed as non-combustible.

*Always refer to the material manufacturer's guidelines for suitability of use.

FLOOR PROTECTOR REQUIREMENTS

A floor protector is a constructed element to protect heat sensitive floors or floor surfaces under, and in front of, the appliance from heat generated by the appliance, from ash or embers. The floor protector may be integral to the appliance, or constructed separately, but in all instances it must:

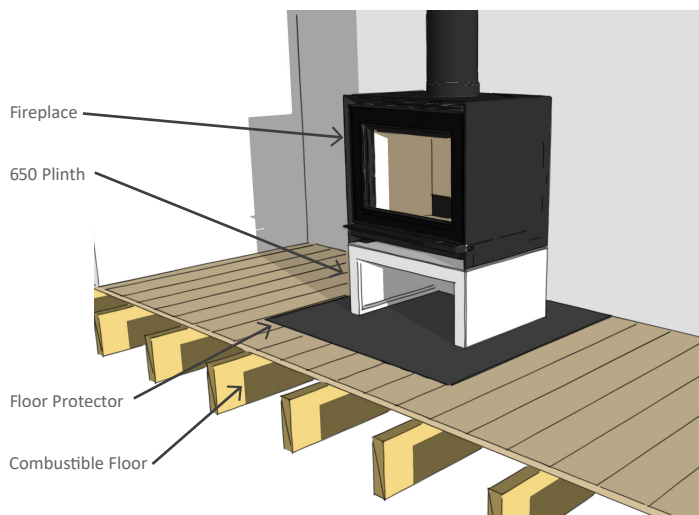
- Be installed horizontally or inclined upwardly away from the fireplace.
- Be a continuous layer of heat resistant material extending under the fireplace (TFS only) floor protectors' perimeter, with no open joints.
- Have minimum dimensions as outlined below. These dimensions are when installed following the minimum clearances. TC950 is measured from the front face of the appliance.

TFS650	1050mm W x 1006mm D
TFS1000	1388mm W x 1006mm D
TC950	1380mm W x 300mm D

*Minimum 0.2mm thickness.

Floor Protector

*Fireplace is installed at or above the recommended height.



INSULATING HEARTH REQUIREMENTS

When installing an Escea Indoor Wood Fireplace **BELOW** the recommended height, the installation requirements must comply with *AS/NZS2918 Domestic Solid Fuel Burning Appliances – Installation*. These requirements provide for additional heat protection to combustible materials.

- Separate the combustible floor from the floor protector, by using heat resistant spacers forming an air gap of 25mm between the floor protector and the combustible floor below.
- 75mm concrete, masonry or AAC panels laid on a supporting sheet of a continuous heat resistant material (TFS650/TFS1000 only).
- 15mm thick continuous, heat resistant material laid as a supporting sheet (TC950 only).
- A heat resistant decorative finish, minimum 0.2mm thick. This may contribute to the total depth of the floor protector.

Insulating Hearth Ventilation

For all models, the 25mm air gap must allow cross-flow of air, remaining open on 2 opposing sides, with a combined length of:

TFS650	806mm
TFS1000	887mm
TC950	732mm

Insulating Hearth

*Fireplace is installed below the recommended height.

