

### General

Room heaters may be portable or fixed in place. Where a room heater has a stand or other support that requires fixing in place they may be classified as 'fixed' heaters and so not have requirements of portable heaters applied (such as tilt tests etc). Some designs of standards and supports may result in users being easily able to misuse the heater (for example but not limited to - by not fixing in place) and so create an electrical safety risk.

### Requirement

If the equipment has a stand or support that is specified in the instructions to be fixed to the floor before use (via screws or other permanent means) but the equipment on that stand or support is able to be easily used without permanently fixing to the floor, then the equipment must be assessed as portable equipment as well as fixed equipment.

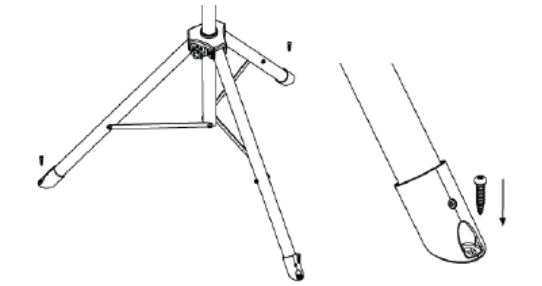
If the heater has a connection means other than terminals for fixed wiring then the certifier must consider assessment as if the room heater is a portable room heater (where it is obvious by design the heater cannot be used as a portable heater then it is acceptable to assess as a fixed heater), however the certifier must document rationale for such decision and include on the certificate a condition 'For operation as a Fixed room heater only' and the instructions for use must not indicate any options for use with any type of stand or support that may enable easy use without fixing in position.

NOTE: This condition of certification is not to be used as a means to justify certification of a room heater that can easily be used as a portable room heater.

Examples of room heaters that would be required to be assessed as a portable room heater as well as a fixed room heater even if the instructions indicate to fix to the floor before use:



Example of a stand that is purportedly for 'fixed room heater' but is clearly a stand that can be used without fixing in place and so if the room heater is supplied or instructions indicate it can be used with, such a stand the room heater must be assessed as both portable and fixed type.



Example of a room heater that may be fixed to a wall but would not be suitable for use as a 'fixed heater' using stand shown above. If supplied with a stand or support or instructions to allow use with a stand or support the room heater would also be required to be assessed as a portable room heater with that stand or support in position.



## Background

For certification, an EESS certifier must consider all aspects of risk of the equipment before issuing a certificate. This is irrespective of what test reports are supplied, what classifications or designations claimed by the manufacturer or in the instructions.

If equipment can clearly and easily be 'misused' by not following the instructions for use in a way that would be reasonably expected, then the equipment must be assessed to ensure safety when used in that other manner. That is the instructions for use cannot be used alone to negate an obvious use of the equipment which may create a safety risk if not properly designed.