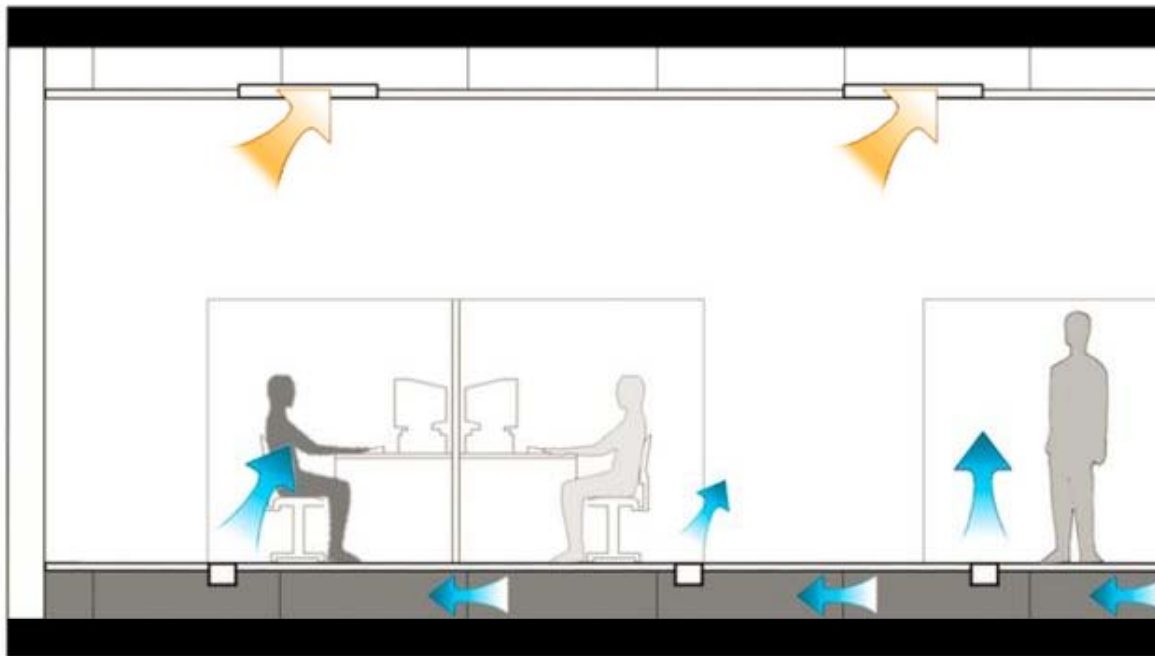


# Examination of the Airtightness of Hollow Floors



## What are hollow floors?

Hollow floors are installed on the raw ceiling of a room. The hollow space between the hollow floor and the bare ceiling is used to lay electrical lines, water lines, lines for telecommunication, heating, ventilation, etc.



Picture: Wikipedia

## Application

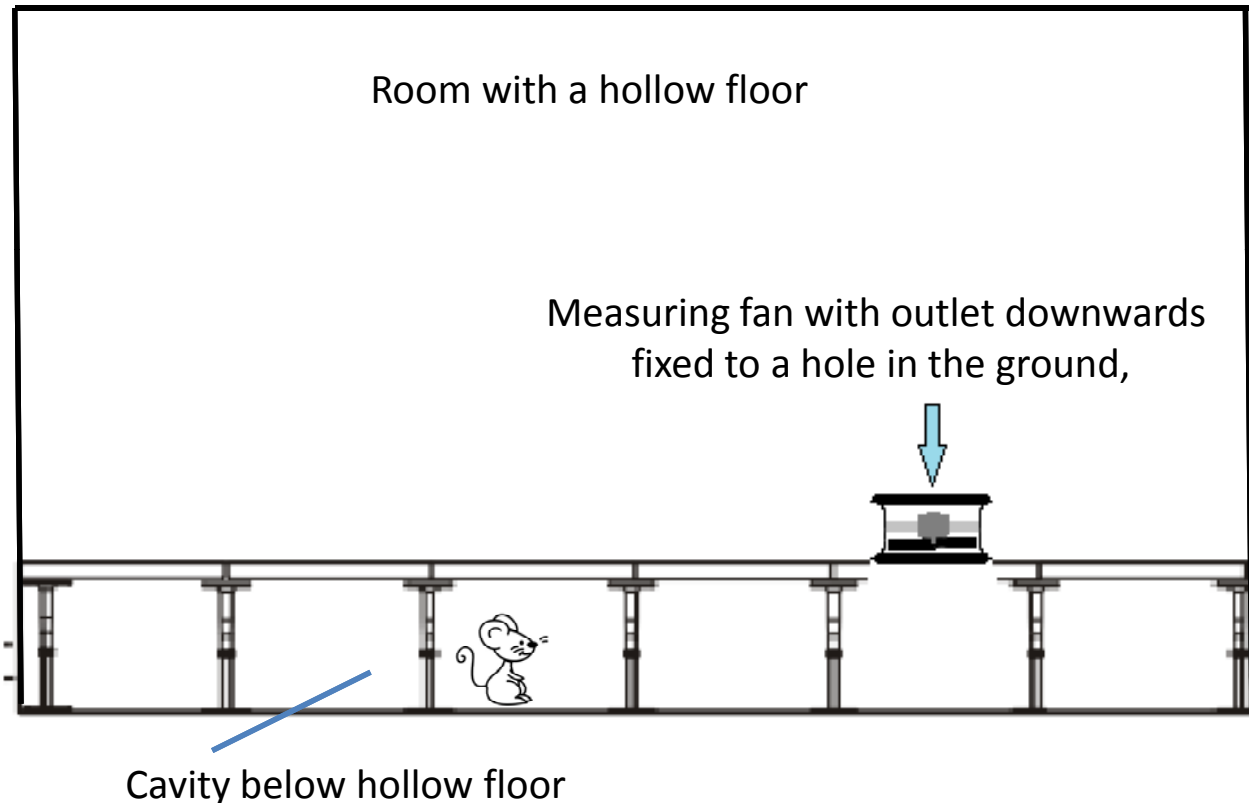
If the airtightness of a hollow floor is to be checked "on site" in the installed condition, the measurement can be carried out with the BlowerDoor Standard or BlowerDoor MiniFan measuring system.

*Necessary measuring devices:*

*BlowerDoor Standard measuring fan or DuctBlaster fan (BlowerDoor MiniFan)*

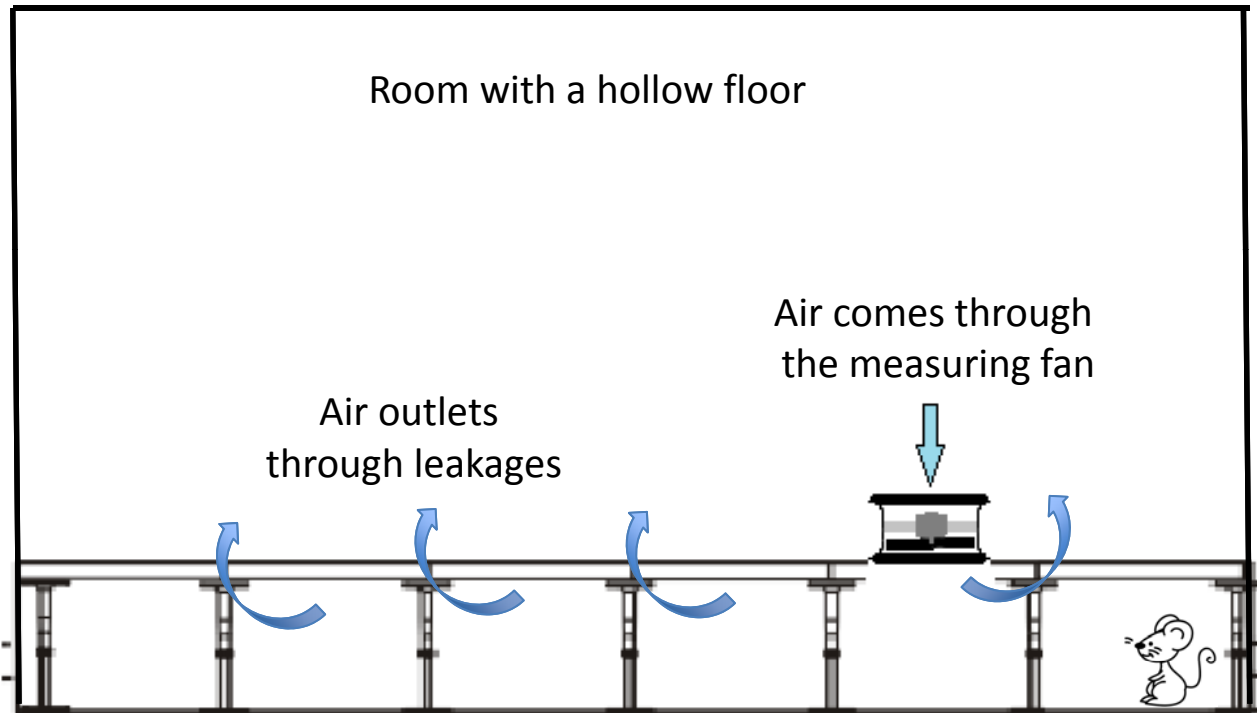


## Attention: Horizontal installation of the measuring fan



The measuring fan can be installed horizontally in an opening in the hollow floor with the help of an individually produced board (e.g. made of blockboard).

## Pressurization in the hollow space



The measuring fan is installed so that the air inlet (side with flow rings) faces upwards. Air is blown into the hollow bottom.

## With the BlowerDoor measuring system you can ...

1. Detect leakages.  
This gives the possibility of subsequent improvement.
2. Determine the leakage air rate according to DIN EN 13213.



## Additional information

- EN 13213 – Hollow floors