Advertisment feature

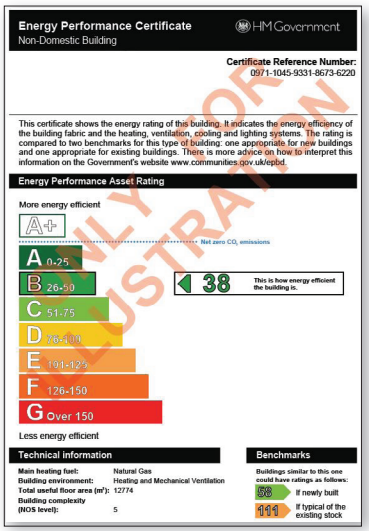
Introducing Passivent Airscoop Builder

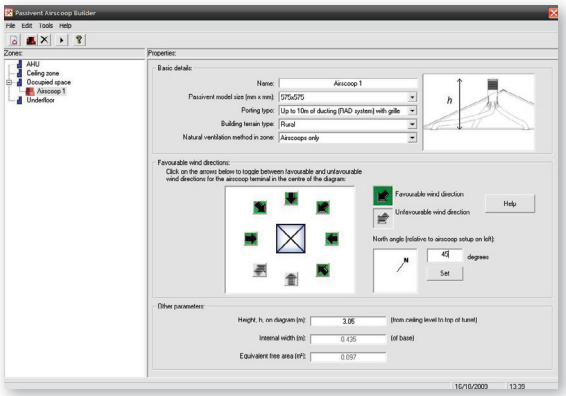
WHAT IS IT?

Passivent Airscoop Builder is a new utility for modelling Airscoop roof-mounted ventilation terminals and their benefits to building performance. It has been developed by Environmental Design Solutions Ltd (EDSL) and Passivent for use with Tas software.

WHAT IS TAS?

Tas is a building thermal analysis tool commonly used for calculating energy consumption and assessing peak summer temperatures. It is approved by the CLG for Part L calculations and for producing EPCs (energy performance certificates). The positive impact of Airscoops on room ventilation can easily be incorporated into these calculations and Tas has a long history of modelling naturally-ventilated and mixed-mode buildings to a high degree of accuracy.





WHAT DOES THIS UTILITY DO?

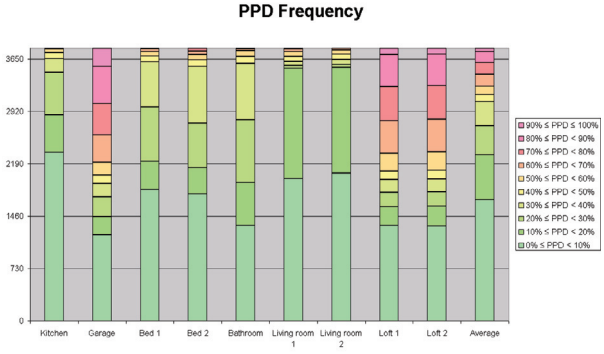
Developed in cooperation with Passivent using real test data and experimental results obtained by an independent Research Institute[1], this new utility allows Passivent Airscoops to be modelled accurately in Tas by using the measured performance data for each model of Airscoop. It is not only accurate but also provides a quick way of assessing many Airscoop options. Rather than modelling the Airscoop manually using Tas 3D Modeller, it automatically provides Tas Building Simulator with the geometry, construction materials and performance parameters specific to the selected Airscoop model.

[1] *A.D. Shea, A.P. Robertson, G.J. Levermore, N.M. Rideout, "The performance of a wind-driven ventilation terminal". Proceedings of Institution of Civil Engineers, Buildings and Structures, In press (2010).*

WHY USE IT?

Passivent Airscoop Builder is a useful tool for a fast assessment of how well a particular Airscoop system will naturally ventilate your building - simulated using Tas which is state of the art, tried and tested building simulation software.

For more information see www.edsl.net and www.passivent.com



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EDSL Tas