

Air Infiltration and Ventilation Centre

ANNEX 5

The primary objective of the EBC information centre, 'Air Infiltration and Ventilation Centre' (AIVC), is to be the leading international information centre on research and development in the fields of air infiltration and ventilation. Thus, the specific objective is to provide a high quality international technical and information forum covering the areas of ventilation and air infiltration in the built environment with respect to efficient energy use, good indoor air quality and thermal comfort. The mission of the AIVC is to be the reference portal for information on ventilation in buildings to improve the wellbeing of people

through development and dissemination of ventilation knowledge.

A key ambition of the AIVC is to convene integrated and combined activities (called 'projects'), resulting in different information tools, for example webinars, workshops, position papers, technical papers, and so on. These are supported by a review process and result in an increased information dissemination impact. The projects initiated since 2011 are:

- Residential cooker hoods in low energy buildings
- Durability of building airtightness
- Quality of methods for measuring ventilation and infiltration in buildings
- Competent tester schemes for building airtightness testing
- Ventilation and health
- Improving the quality of residential ventilation systems
- Ventilative cooling, which is the use of natural or mechanical ventilation strategies to cool indoor spaces
 - this has resulted in the launch of EBC Annex 62
- Testing, reporting and quality schemes for building airtightness
- Philosophy for setting building airtightness requirements
- Development and applications of building air leakage databases



AIVC Newsletters

For the current focus, with projects and events in relation to airtightness and ventilative cooling, AIVC is joining forces with two other information platforms, i.e. TightVent and venticool. TightVent is focusing on airtightness of buildings and ductwork and was launched in January 2011. Venticool is focusing on ventilative cooling and was launched in September 2012. The main goals of TightVent and venticool are to:

- raise awareness of airtightness and ventilative cooling issues respectively, which are relevant concerns for a wide range of buildings and may even be critical in nearly zero energy buildings, and
- provide appropriate support tools and knowledge transfer to ease market transformation.

In 2014, the 35th AIVC Annual Conference was held in Poznan, Poland. This has once again provided an opportunity for over 140 researchers and practitioners from around the world to exchange ideas and to present their latest findings.

NEW PRODUCTS

Website

In October 2013, the AIVC launched its new website, which is now database driven with 'Web 2.0' functionalities. This includes a powerful search engine for the bibliographic database AIRBASE containing over 21 000 references and 10 000 PDF documents.

Edited proceedings

'Securing the quality of ventilation systems in residential buildings: existing approaches in various countries'

AIVC Conference Proceedings

35th Annual Conference, 'Ventilation and airtightness in transforming the building stock to high performance', held 24th - 25th September 2014, Poznan, Poland

AIVC Newsletter

January 2014

September 2014

WEBINARS

- Airtightness testing part 3: status and trends in competent tester schemes in Denmark, Ireland and Sweden, held in November 2014

Project duration

1979–present

Operating Agent

Peter Wouters, INIVE eeig, Belgium

Participating countries

Belgium, Czech Republic, Denmark, France, Germany, Greece, Italy, Japan, Republic of Korea, The Netherlands, New Zealand, Norway, Portugal, Sweden, USA

Further information and reports

www.iea-ebc.org

www.aivc.org

