

Durability of building airtightness: Assessment through laboratory testing

Friday 21st February 2020

10:30-11:30 (Brussels, BE)

9:30-10:30 (London, UK)

11:30-12:30 (Athens, GR)

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Registration is required: A link to join the webinar will be included in the email confirmation

Mandatory or voluntary building airtightness testing has come gradually into force in many European countries mostly because of the increasing weight of building leakage energy impact on the overall energy performance of low-energy buildings. Therefore, airtightness levels of new buildings have significantly improved in the last decade, but a lot of questions remain regarding the durability of airtightness products. Standards exist to evaluate the durability/ageing of construction products, however there is no standardised protocol to characterise durability in terms of airtightness of product assemblies. The development of such a standard is not evident given the multiplicity of airtightness products.

The objective of this webinar is to share information on protocols developed to test the durability of airtightness products in laboratory conditions. It is the second webinar dealing with durability of airtightness following the one focusing on field measurement to be held on January 30th, 2020 (<http://tightvent.eu/archives/3654>).

This webinar is organised with the support of TightVent Europe (www.tightvent.eu) and the Air Infiltration and Ventilation Centre (www.aivc.org). Both initiatives are facilitated by INIVE (www.inive.org).

Programme (Brussels time)

10:30 **LABORATORY TESTING OF THE DURABILITY OF AIRTIGHTNESS PRODUCTS- REVIEW AND ANALYSIS OF EXISTING STUDIES**

Valérie Leprince, INIVE, France

10:45 **Questions and answers**

10:50 **ASSESSMENT OF THE DURABILITY OF AIRTIGHTNESS PRODUCTS IN LABORATORY CONTROLLED CONDITIONS: DEVELOPMENT AND PRESENTATION OF THE PROTOCOL**

Andrés Litvak, CEREMA, France

11:05 **Questions and answers**

11:10 **DETERMINATION OF DURABILITY OF ADHESIVE TAPES AND ADHESIVE MASSES FOR THE ESTABLISHMENT OF AIRTIGHT LAYERS – NEW PROJECT AT ISO/TC 89**

Sebastian Treml, FIW – Munich, Germany

11:25 **Questions and answers**

11:30 **End of the webinar**

Cost and registration

Participation to the webinar is free but requires you to register for the event. The webinar will be limited to a maximum of 200 persons. To register, please click on the “Register now” button above or visit inive.webex.com.

What is a webinar?

A webinar is a conference broadcasted on internet. To follow a webinar you must have a computer with a sound card and speakers or headphones. Once logged in the "conference room", you will be able to see the slides of the presentation and to hear the panellists' comments. You will also be able to ask written questions to the speakers, and to answer on-line surveys.

Hardware, software

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About TightVent

TightVent Europe (www.tightvent.eu) aims at facilitating exchanges and progress on building and ductwork airtightness issues, including the organisation of conferences and workshops. It fosters experience sharing as well as knowledge production and dissemination on practical issues such as specifications, design, execution, control, etc., taking advantage of the lessons learnt from pioneering work while keeping in mind the need for adequate ventilation. TightVent Europe has been initiated by INIVE EEIG (International Network for Information on Ventilation and Energy Performance) with at present the financial and/or technical support of the following partners: Buildings Performance Institute Europe, BlowerDoor GmbH, Eurima, Gonal Industrias, Lindab, Mez-Technik, Retrotec, SIGA, and Soudal.

About AIVC

Created in 1979, the Air Infiltration and Ventilation Centre (www.aivc.org) is one of the projects/annexes running under the International Energy Agency's Energy in Buildings and Communities (IEA-EBC) Programme. With the support of its member countries as well as key experts and two associations (REHVA, IBPSA, ISIAQ), the AIVC offers industry and research organisations technical support aimed at better understanding the ventilation challenges and optimising energy efficient ventilation.

The AIVC activities are supported by the following countries: Australia, Belgium, China, Denmark, France, Greece, Italy, Ireland, Japan, Netherlands, New Zealand, Norway, Republic of Korea, Spain, Sweden, UK and USA.

About INIVE

INIVE EEIG (International Network for Information on Ventilation and Energy Performance) was created in 2001 as a so-called European Economic Interest Grouping. The main reason for founding INIVE was to set up a worldwide acting network of excellence in knowledge gathering and dissemination. At present, INIVE has 8 member organisations (BBRI, CETIAT, CSTB, eERG, IBP-Fraunhofer, NKUA, SINTEF, and TNO) (www.inive.org)

INIVE is coordinating and/or facilitating various international projects, e.g. AIVC (www.aivc.org), TightVent Europe (www.tightvent.eu), venticool and Dynastee (www.dynastee.info). INIVE has also coordinated the ASIEPI project dealing with the evaluation of the implementation and impact of the EU Energy Performance of Buildings Directive, the QUALICHeCK project aiming towards improved compliance and quality of the works for better performing buildings, BUILD UP the European portal on Energy Efficiency and the EPBD feasibility study 19a (<https://www.epbd19a.eu/>).