

AIR MOVEMENT & VENTILATION CONTROL WITHIN BUILDINGS

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Performance Evaluation of Humidity Controlled Natural
Ventilation in Apartments.

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Abstract

A commercially available humidity controlled natural ventilation system (Aereco) has been installed in the framework of a CEC demonstration project in 3 apartment buildings in France, the Netherlands and in Belgium. An extensive monitoring campaign in reference apartments and humidity controlled apartments during the 2 previous winters allowed a detailed analysis of various ventilation related parameters. Special attention is given to the evaluation of the humidity control on the performances.

The majority of the analysis will be finished before the summer of 1991 so that rather complete conclusions will be available for the AIVC conference.

Specific trends will be shown by means of snap shots. However, the majority of the efforts went to a statistically treatment of all the data in order to come not only to impressions of certain tendencies but also to scientifically supported conclusions of these tendencies.