

AIR MOVEMENT & VENTILATION CONTROL WITHIN BUILDINGS

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Bas Knoll

TNO Building and Construction Research
Department of Indoor Environment
Building Physics and Systems
P O Box 29, 2600 AA Delft
The Netherlands

ABSTRACT

As part of the AIVC's technical programme, study has been performed on present and advanced ventilation systems.

The first part of the study presents a review on demands for basic ventilation of residences and major design considerations for ventilation systems.

The second part is a review on ventilation systems advanced approaches divided into:

- air movement control systems,
- flow quantity control systems,
- ventilation heat recovery systems
- alternative ventilation energy systems

Furthermore a system for the classification of ventilation systems is suggested.

Finally recommendations for future research and development are given.