

#NO 5828 Air infiltration control in housing: a guide to international practice.

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ABSTRACT This handbook, which forms part of the work of the AIC (Air Infiltration Centre, reviews the state of the art with respect to problems associated with a building's airtightness in the countries which take part in the work within the AIC. General principles, motives, standards, assumptions, climate, energy balance in a house, and a common recurring design solution for both existing and new buildings are treated in the handbook's general section, Part A. Part B of the handbook contains detailed information about the climate in different countries. It has a main section for each country and each section contains several design examples showing how building structures can be produced to achieve a reasonable degree of airtightness. In general, these show examples of good design technology in the respective country.

KEYWORDS air infiltration, residential building, air tightness, building regulations, calculation techniques, design, retrofitting, measurement technique