

# EPBD 2018 Implementation: Windows for healthier buildings



## Current challenges in relation to building regulation



Buildings account for about 40 % of the total energy consumption in Europe



In Europe the building renovation rate is low - below 1.2 % per year



People spend up to 90% of their time in buildings



Around 80 million Europeans live in damp or unhealthy buildings



National legislations do not account enough for the impact of daylight and indoor climate on energy efficiency



Solar gains provided through windows are not sufficiently included in e.g. national renovation requirements

## The benefits of windows



Windows provide free solar gains to buildings in addition to their insulation properties



Having many large windows reduces heating energy needs by using solar gains



Plenty of daylight eliminates your need for artificial lighting during the day



Good ventilation lowers the temperature during the night



Solar screening and solar control glazing protects your home from overheating



Intelligent automation is needed to achieve full benefits

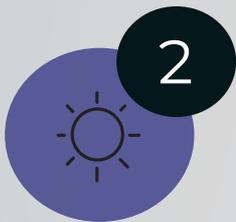


Natural ventilation provides good indoor air quality



1

Assess the energy performance of windows based on the energy balance approach



2

Grasping the benefits of daylight and indoor climate to ensure that Europeans live and work in healthier buildings



3

Stimulate the EU building renovation rate by acknowledging the non-energy triggers of renovation (e.g. health, comfort, update of design)

Windows are contributing to the overall energy performance of buildings and to the general comfort and well-being of people living and working in these buildings.

EuroWindowor is a supporter of the Energy Performance of Buildings Directive (EPBD) and of a strong implementation that will strengthen the EPBD's contribution to the EU's energy and climate goals.

In order to better harvest these opportunities EuroWindowor considers that the implementation of the EPBD is an opportunity to better recognise the crucial role windows play in terms of daylight, indoor climate and energy efficiency.

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