

# WINDOWS AND DOORS

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## DEFINITION AND ROLE

Doors and windows are joinery assemblies that provide a passage and closure between the interior and exterior of a building. The woodwork consists of a doorframe (fixed) that features a door block, a French window or a window. The fixed frame window that provides a link between the opening and the wall is called a chassis.

## STRESSES

Due to its position, exterior joinery is exposed to two different climatic atmospheres. The sides of the leaves/casements and frames are subject to moisture variations and different temperatures between the interior and the exterior. The openings are mechanically solicited during opening/closing events and are subject to wind action.

## REQUIRED PROPERTIES

These assemblies are characterised by an evaluation of their air and water tightness, and of their thermal and acoustic insulation. Commercially, two qualitative choices are available depending on the type of finishing that is planned: transparent or opaque. Ratings and performances of doors and windows are described in standard EN 14351; CE marking enables their performances to be displayed.

## PRINCIPLES OF IMPLEMENTATION

Joineries must be secured onto the load-bearing elements while ensuring that the assembly is waterproof.

## USAGE CLASS

The usage class required for joinery varies from Class 3, for environments exposed to bad weather, to usage class 2, for sheltered environments.



Photo: Window with two casements© V. Pasquet, Menuiseries PASQUET



Photo : French window with two leaves© V. Pasquet, Menuiseries PASQUET