

ELEVATED TERRACES, BALCONIES AND CORRIDORS

DEFINITION AND ROLE

This type includes all of the exterior installations that are at least 1 m above the ground, usually adjacent to a façade or in between two buildings, consisting of timber boards that form a deck for the reception and passage of people.

STRESSES

Due to their horizontal position, the deck elements are subject to severe exposure to bad weather (the effects of water, UV rays, cold and heat).

REQUIRED PROPERTIES

Decking blades that can be used in elevation, on balconies and in corridors require appropriate properties (durability, strength, mechanics, hardness and stability). The boards must have a surface condition that guarantees the safety of users in a perennial manner. The ledger board on which the boards are screwed must meet the requirements of standard EN 14081.

PRINCIPLES OF IMPLEMENTATION

These structures are considered to be timber structures (see "LIGHTWEIGHT STRUCTURES" sheet). It is necessary to verify the compatibility of the timber that is used with the nature of the nearby materials in order to avoid reactions (such as façade plaster, which can react when it comes into contact with the tannins of certain timbers).

USAGE CLASS

For reasons linked to user safety, all timber used for these works must cover usage class 4.

Photo : Structure © WIJMA

