

# CLADDING AND OUTER COATING

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## DEFINITION AND ROLE

Cladding is the dressing of exterior façades using solid timber boards - moulded or non-moulded - that are mechanically fixed onto a frame. It protects façades and contributes to the thermal insulation of buildings, while providing aesthetic facing that is capable of resisting external aggressions.

## STRESSES

These coatings are of the self-supporting type and are not subject to any particular mechanical stresses. Climatic stresses vary depending on the orientation of the façades and have an impact on the subsequent maintenance.

## REQUIRED PROPERTIES

Cladding boards are products that must have CE marking according to the requirements of standard EN 14915. Its usage requires highly stable timber. Manufacturing criteria require that the width of an exposed board be less than 7.5 times its thickness, see EN 13647. The profile of hardwood boards must comply with the requirements of standard EN 14951.

## PRINCIPLES OF IMPLEMENTATION

The implementation must respect spacing rules upon installation in order to prevent the occurrence of creeps and deformations. Most species require pre-drilling for their fastening.

## USAGE CLASS

Usage class 3 is required in most cases.



Photo : Installation of timber cladding on a façade© M. Vernay

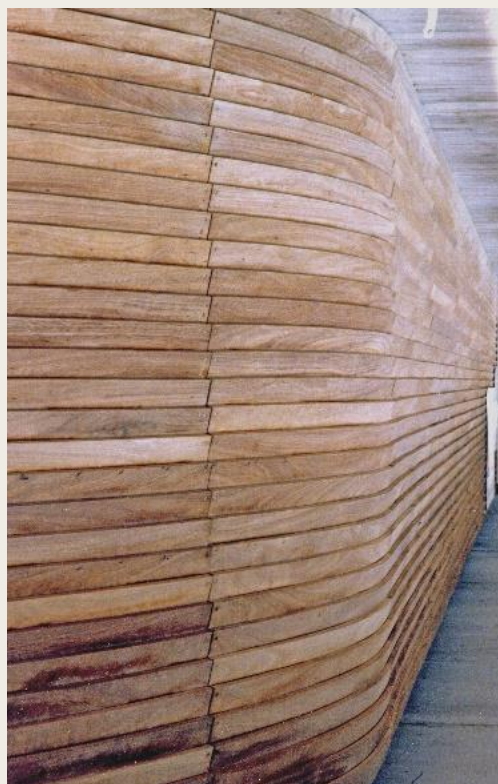


Photo: Installation of timber cladding in a walkway© M. Vernay