

# Linear Wood Façade System

The HunterDouglas® Linear Wood Façade System is designed to provide a **high quality** architectural façade solution. A selection of **durable wood** species for outdoor use is available for ventilated façade application.

**Concealed mounted** on the back construction the **removable façade elements** offer maximum flexibility in system sizes and dimensions.

Linear Wood  
Façade System

**HunterDouglas**

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FAÇADES



A photograph of a modern building facade. The upper part of the facade is covered in horizontal wooden slats. Below this, there are large glass panels that reflect the sky and surrounding environment. The glass panels are framed by a metal grid. The overall design is clean and contemporary.

# Linear Wood Façade System

## Naturally Styled

### MODERN DESIGN

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In the past decades wooden façades were often considered as a traditional solution. However, in recent years, wood has been rediscovered in contemporary architecture. With the Linear Wood Façade System Hunter Douglas adds wood cladding material to its extensive portfolio of façade systems.

The Linear Wood Façade System consists of solid linear wood panels, which are applied as an open joint structure in a ventilated façade. The wooden panels have a concealed demountable fixation to the aluminum substructure with stainless steel mounting clips and results in a high architectural appearance.

### DESIGN FREEDOM

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To respond to the wishes of the client and the design architect a system is created that is characterized by a high degree of design freedom.

It is possible to apply varying widths on a single grid size and also the thickness and lengths of the panels are variable. There are several possible joint widths, the system has horizontal and vertical mounting options and the system can be used as an exterior ceiling.

### SUSTAINABLE MATERIALS

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For the purposes of the Linear Wood Façade System a variety of durable wood is selected. These woods can be treated with transparent or opaque coatings, possibly in color. In addition, the wood is treated with fire retardant impregnation, allowing for a fire rating to be obtained for the use in façades.

### EASY ASSEMBLY

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The HunterDouglas® Linear Wood Façade System is developed with special attention to functionality and ease of assembly. For example, the system does not use any screws and the system is quickly and easily assembled and disassembled. The wooden panels have a hidden fixation to the multi-functional lightweight aluminum substructure using demountable stainless steel clips.

## FAÇADE SYSTEM

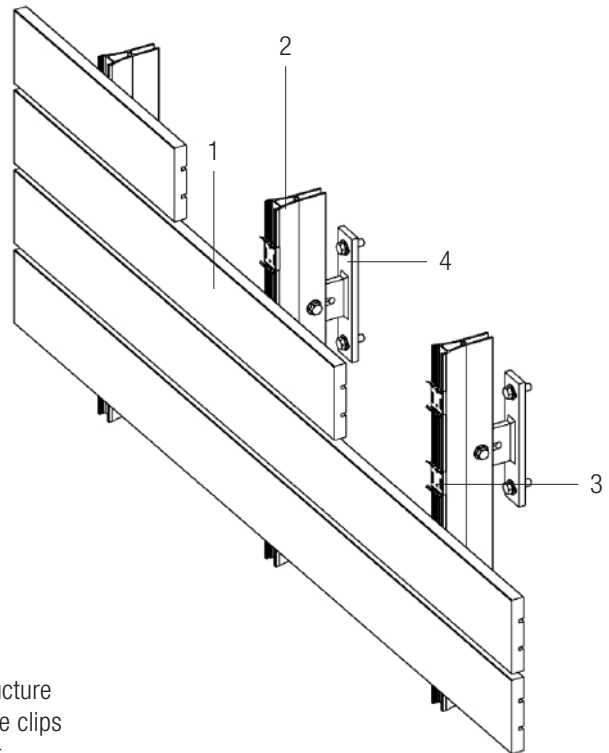
The HunterDouglas® Linear Wood Façade System consists of wooden panels and an aluminum subconstruction with demountable stainless steel clips. The entire structure is located at the back of the wooden parts and is not visible at the front of the wood panels. The clips are mounted to the substructure at a fixed distance apart, and delivered to the project site ready to fit its application.

The fixation of the wooden panels to the clip and the substructure has been extensively tested and has a high breakout force. The whole system is equipped with demountable fixation clips, which enables easily performed repairs behind the façade.

## SUBCONSTRUCTION

The substructure, the multifunctional HunterDouglas® SLR system, consists of specially designed aluminum extruded profiles. Simple wall brackets can be provided for fixing the SLR system to the building. The distance between the SLR profiles partly depends on the local wind loads and is limited to maximum 600 mm\*. This durable and lightweight substructure can also be used for attaching open façades, sun protection and ventilation applications.

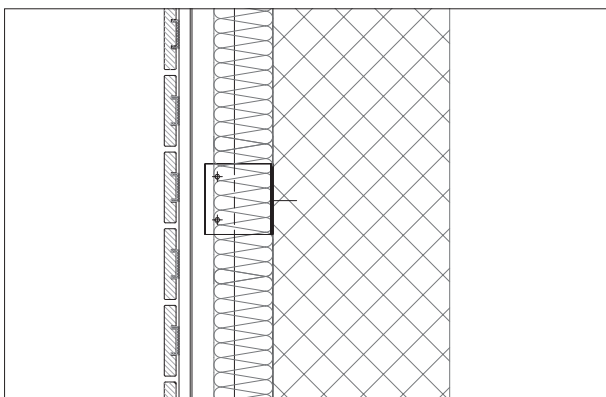
1. wood panel
2. SLR substructure
3. demountable clips
4. wall bracket



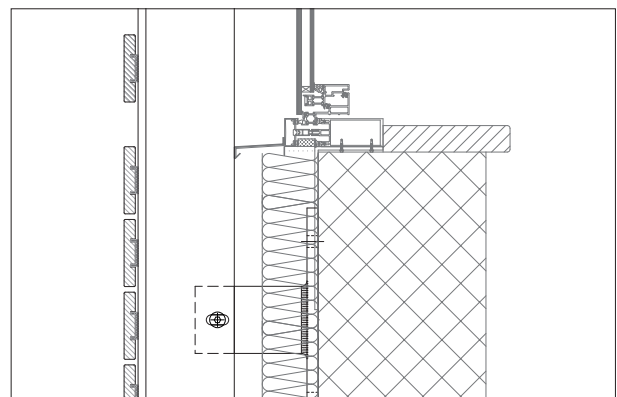
## DESIGN FLEXIBILITY

The HunterDouglas® Linear Wood Façade System is characterized by the high degree of flexibility. The width, thickness and length of the wooden panels are, in many cases, aligned to the wishes of the client. It is also possible to apply different panel widths in the grid and to have planed, sawn or raw textured surfaces. Next to the variation in wooden panel dimensions, the joint width between the panels is variable and there is choice in horizontal or vertical mounting. The system is also suitable to apply as an exterior ceiling.

*\*For exact information on profile distances please consult your Hunter Douglas project advisor.*



Isolated façade application



Open façade application



## WOOD SPECIES

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For the application of the HunterDouglas® Linear Wood Façade System a wide variety of wood species is available, characterized by highly durable properties. The wood can be finished in a transparent or opaque varnish and a range of colours.

## NATURAL MATERIALS

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Every wood species has its own structure and properties and may therefore behave differently. Also, the local weather conditions have a major impact on the behaviour of the wood. In consultation with advisors from Hunter Douglas, on the basis of the application, the right type of wood species should be determined.

The wood selected for a project will show natural and authentic effects as grow patterns, knots and colour variations. These effects are typical properties of wood and result in the natural beauty and vibrancy of the façade.

## QUALITY

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Hunter Douglas uses the best quality wood for its Linear Wood Façade System. From rough wood to the final result, our production is executed in an automated process and the quality is strictly controlled to ensure a high quality product. Architects and clients can count on our knowledge and expertise.



*On request, FSC wood species are used if available.*



**SURFACE TREATMENT**

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For some types of wood species for outdoor use it is required to improve the durability class. In addition, the architect and client may desire to treat the wood against aging of the wood by UV light or to apply the wood with a colour. The wooden panels in that case will be treated on all sides with a water-based industrial paint. This is quick drying, does not film and pulls into the wood. The finish gives a nice accent to the wood through a variety of color shades in the wood.

**FIRE RETARDANT TREATMENT**

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To meet the requirements for fire for façade applications the wood panels can be treated. A vacuum pressure impregnation will be used to apply a fire retardant to the wood panels. This treatment enhances the wood to a fire Class B, s2, d0 that meets European fire requirements. The fire retardant treatment must be sealed with a stain.

**INSTALLATION**

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The HunterDouglas® Linear Wood Façade System is delivered as a ready-to-fit package on the project site and is easy to assemble. Through the use of removable clips the system is also easy to dismantle, for behind the façade repairs and easy maintenance.

**MAINTENANCE**

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The HunterDouglas® Linear Wood Façade System has a special maintenance schedule. This is available on request. In case of repairs, the demountable parts are removed to access the substructure.

**MATERIAL**

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Wood Quality	: every wood specie of a quality suitable for the Linear Wood Façade System application.
Moisture content on delivery	: 16 to 18%
Panel thickness	: min 18 mm
Panel width	: 70 to 170 mm
Minimum joint	: 12 mm
Standard panel length	: up to 3000-3500 mm (depending on wood specie)





## HUNTERDOUGLAS® LINEAR WOOD FAÇADE SYSTEM - FEATURES

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- linear wood façade system to be used as ventilated façade
- high quality architectural appearance
- prefabricated system with accurate dimensions
- concealed mounting of the wooden panels onto the substructure
- removable system: wood panels are individually removable
- durable wood species for outdoor use
- durable and aesthetically designed multi-functional lightweight substructure
- many possible variations in the dimensions of the panels and the joint width. Multiple options for panel widths, thicknesses and lengths.
- panels can be finished in planed, sawn and rough surfaces
- wood can be treated with opaque or transparent coatings and a range of colours
- wood can be treated with fire retardant impregnation combined with a stain
- horizontal and vertical mounting
- can also be used as an exterior ceiling
- perfect alignment
- patented fixation to limit warping of the wood panels.

# HunterDouglas

WINDOW COVERINGS

CEILINGS

SUN CONTROL

FAÇADES

### HUNTER DOUGLAS EUROPE B.V.

2, Piekstraat  
P.O. Box 5072 - 3008 AB Rotterdam  
The Netherlands  
Tel. +31 (0)10 - 486 99 11  
Fax +31 (0)10 - 484 79 10  
[www.hunterdouglascontract.com](http://www.hunterdouglascontract.com)