

## Modular Box, Porto | Portugal



**Project** Design and architecture office and showroom

**Location** Porto, Portugal

**Construction** 2013

**Client** SPSS Lda.

**Architecture** SPSS Design, José Simoes

**Use of solid wood panels** binderholz 3-layer solid wood panels for the construction and interior design



With its „Modular Box“, the Porto-based design and architecture office SPSS has created a modern building that combines different construction materials, like wood and steel, to create a harmonious overall design. The Modular Box is used as a design and architecture office, and also as a showroom.

# Modular Box, Porto | Portugal

The unique feature of this building is that the prefabricated timber room elements can be combined with a steel transport container. binderholz 3-layer solid wood panels of spruce and larch, in thicknesses varying from 12 to 50 mm, were used for the building and the interior design of the modular elements.

The excellent dimensional stability and strength of the panels enable them to be used as cladding for the walls and ceiling, as well as for floors and staircases. Solid wood panels provide a natural and environmentally-friendly building solution especially for interior fit-outs. The key benefits of the 3-layer panels include their ease of working and handling as well as their flexible surface treatment. 270 m<sup>2</sup> of binderholz 3-layer solid wood panels were used on an area of 110 m<sup>2</sup> in the Modular Box. The construction was completed within one month.



3-layer solid wood panels for the floor, wall and ceiling cladding



Flexible use of the 3-layer panels in built-in furniture construction



Solid wood gives the building a warm and natural atmosphere

The design office SPSS Lda. exhibits its own designs of wooden furniture and decorations in the rooms of the Modular Box, a space characterised by the warm and natural appearance of solid wood panels. The space also doubles as the workplace of the architect who designed this Modular Box.

The Modular Box is the prototype for modular building with wood, which SPSS has now utilised in its design of an eco-home.



Stark contrast between the steel container and wooden finish



Bright interior design flooded with natural daylight



Staircase with visible solid wood panels



Solid wood panels for the interior design