WOODEN PANEL

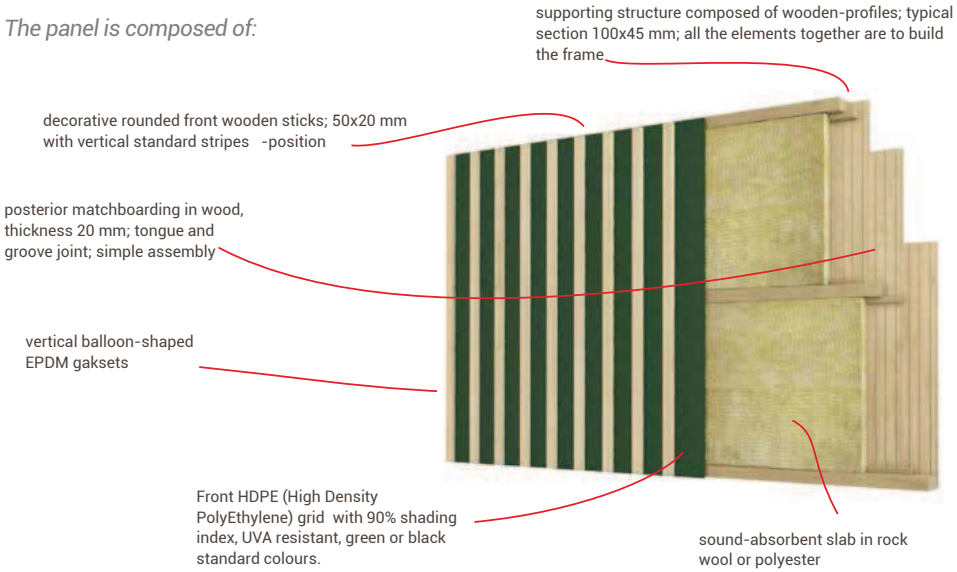
WOODEN Panel

CE

Where do I use this kind of panel?

WITH HE-PROFILES	WITH LATTICE STEEL STRUCTURE	WITH SHAPED PROFILES
√	√	X

The panel is composed of:



The standard panels are made of Nordic autoclave impregnated (chrome- and arsenic-free) pine wood. The panels can be made also with other wood types. The panel is assembled by using screws or nails in galvanized and stainless steel according to the requirements (1). The arrangement of the strips can be customised and depends on the architectural project-requirements (horizontally, diagonally, etc.)

PANEL DIMENSIONS
length up to 4.000 mm
height up to 2.000 mm
thickness adaptable to the profile

ECOWOOD PANEL (ROCK WOOL)

FEATURES	HARMONIZED NORM	ECOWOOD WITH ROCK WOOL	CLASSE
Sound-absorption DLalfa	UNI EN 1793 - 1 and 3 - UNI EN ISO 354	Dlalfa=16 dB	cat. A5
Sound-insulation DLR	UNI EN 1793- 2 and 3 - UNI EN ISO 717-1	DLr=29 dB Rw=35 dB	cat. B3
Self weight resistance: dry weight and reduced wet weight	UNI EN 1794	dry weight: reduced wet weight:	-
Wind load resistance	UNI EN 1794 App. A	250 kg/mq	-
dynamic load resistance due to snow clearance	UNI EN 1794 App. E	10 kN / 2mx2m	-
risk of falling debris	UNI EN 1794 - 2 App. B	impact side: fragment meets the criteria; opposite side of impact: no fragment	B2 (impact side) - C3 (opposite side of impact)
Light reflection	UNI EN 1794 - 2	Absorbing side : 0,4 (20°) - 0,9 (60°) - 0,8 (85°) Non-absorbing side: 1,1 (20°) - 5,1 (60°) - 9,2 (85°)	
Brushwood fire resistance	UNI EN 1794-2 App. A	after test the surface becomes hardened and some area has been charred	1
Stone impact resistance	UNI EN 1794 App. C		-
Release of dangerous substances		NPD	

FINISHING

Possibility of completing the product with additional patented accessories to personalize the panels of the barrier, like:
- wooden sticks on receiver's side
- architectural motifs of strips are customisable (vertically, diagonally, etc.)
- gaskets are inserted between panels and support structure in order to reduce vibrations and increase the acoustic performance; the gaskets are made of materials suitable to the various temperatures

ADVANTAGES

- excellent acoustic performances
- the wooden panel barrier harmoniously blends into the natural environment, fitting perfectly in any urban setting
- high mechanical resistance

ADDITIONAL ACCESSORIES

- vertical (standard) or horizontal/slanted arrangement of the strips
- use of different wood types
- inferior or superior wooden beams insertion
- optional upper and lower wooden flashings or wooden sheets