

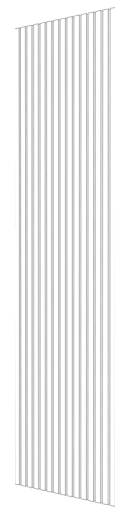
hush.
acoustics

Timbre

Acoustic Slats

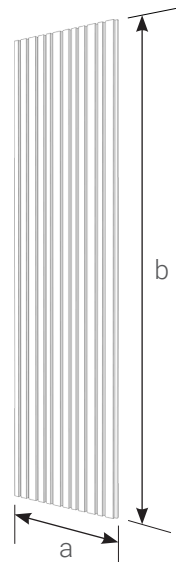


TIMBV1



a = 600

TIMBV2



b = 2400

All measurements shown in mm

* Custom sizes available upon request

Quiet by design

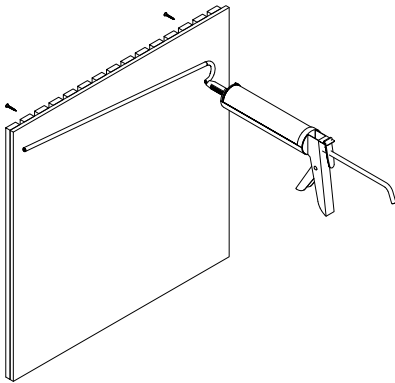
Overview

Hush Timbre is a decorative panel made of MDF, high pressure laminate and our P.E.T. Acoustic Felt. This unique wall panel has many uses from office interiors, to home finishings. Customize our Timbre slats to fit your space by choosing from a variety of wood grain and background colours. The Hush Timbre is changing how you look at acoustics giving them a fresh look with all of the same acoustic features.

Hush acoustic panel is manufactured from 100% PET(60% recycled material), comprising of flame-retardant fiber as new material to ensure ASTM E84 class A certification. 'Hush' Panels contain no VOC' (Sept 2018) and has a 'Sound absorption Coefficient: NRC = 0.85. (March 2016). The high strength of PET panels in comparison to its weight is the key to its superior energy efficiency.

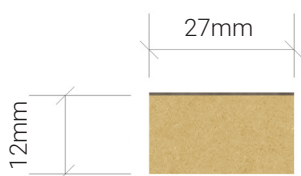
Installation Methods

Construction adhesive

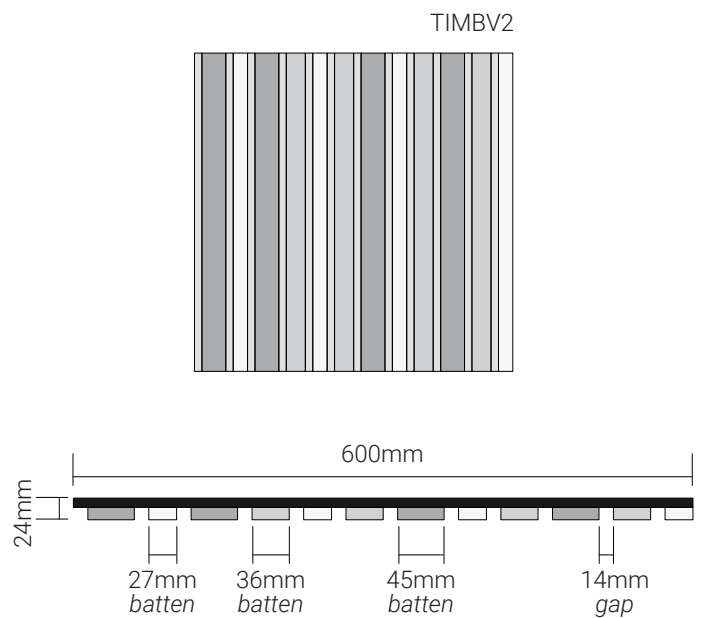
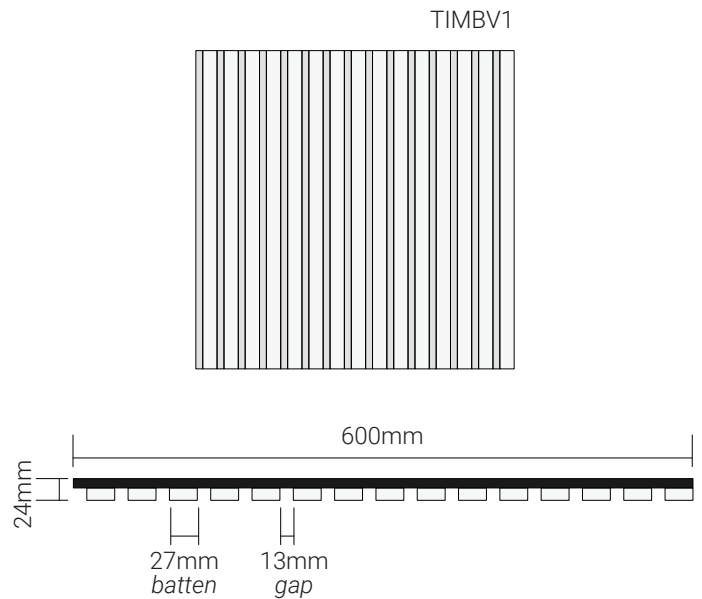


Wooden slat overview

- Topped with Wilsonart Laminate



Plan view



MDF backing options



Colour Options

Element Colours:



Sunflower Apricot Wine Slate Fog



Aqua Ocean Lapis Oyster Snow



Moss Lilac Mocha Casper Vanilla

Given our dedication to sustainability and use of recycled resources, a slight color variation up to 5% could occur.

Also available in our new colour series, that showcases an innovative assortment of 50 specially developed surface shades:



Wood Laminate Options:

- Full line of [Wilsonart Laminates](#) available
- All standard Hush laminates come in the Standard HPL Finish



Fawn Cypress NeoWalnut



Wild Cherry Morelia Mango



Sterling Ash Astro Strandz



Asian Sand

Flame Spread Test & NRC

Determine the Flame Spread and Smoke Developed Values based upon triplicate tests conducted.

Insulation material, 12mm in thickness, described as, "12mm polyester acoustic sheet".

Method

The method, designated as CAN/ULC-S102-10, Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies", is designed to determine the relative surface burning characteristics of materials under specific test conditions. Results of less than three identical specimens are expressed in terms of Flame Spread Value (FSV) and Smoke Developed Value (SDV). Results of three or more replicate tests on identical samples produce average values expressed as Flame Spread Rating (FSR) and Smoke Developed Classification (SDC).

Test Procedure

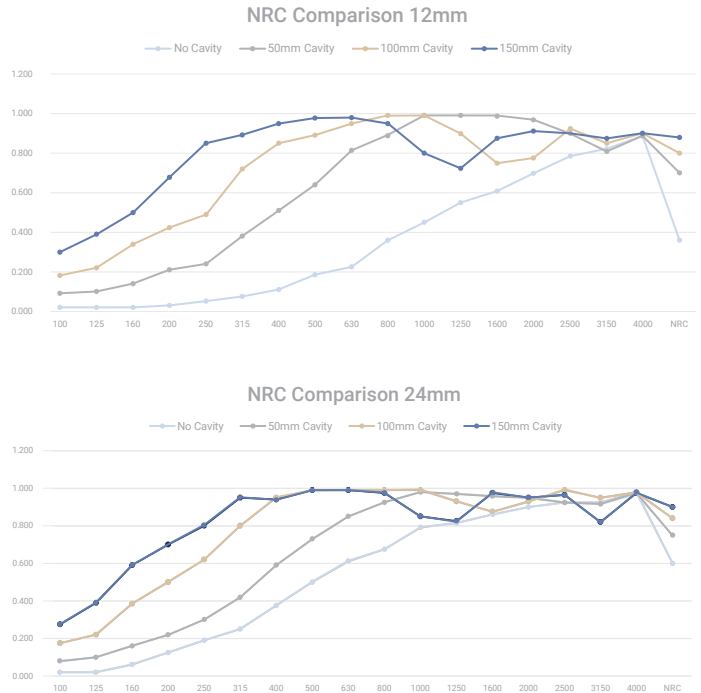
The tunnel is preheated to 85°C, as measured by the backwall-embedded thermocouple located 7090mm downstream of the burner ports, and allowed to cool to 40°C, as measured by the backwall-embedded thermocouple located 4000mm from the burners. At this time the tunnel lid is raised and the test sample is placed along the ledges of the tunnel so as to form a continuous ceiling 7315mm long, 305mm above the floor. The lid is then lowered into place. Smoke Developed Values (SDV) are determined by comparing the area under the obscuration curve for each test sample to that of inorganic reinforced cement board and red oak, established as 0 and 100, respectively. Each Smoke Developed Value is determined by dividing the total area under the obscuration curve by that of red oak and multiplying by 100.

Observations of Burning Characteristics

The specimens ignited approximately 18 to 23 seconds after exposure to the test flame. Melting and flaming dripping behavior was observed. Material that dripped to the floor of the apparatus also ignited.

- The flame fronts propagated to maximum distances of 1.7, 2.9, and 1.8 meters at approximately 587, 577 and 244 seconds in to each respective test.

Noise Reduction Coefficient Comparison



Frequency (Hz)	Sound Absorption Coefficient	Frequency (Hz)	Sound Absorption Coefficient
100	0.28	800	0.97
125	0.395	1000	0.86
160	0.595	1250	0.82
200	0.75	1600	0.975
250	0.81	2000	0.96
315	0.96	2500	0.965
400	0.94	3150	0.85
500	0.985	4000	0.965
630	0.985		