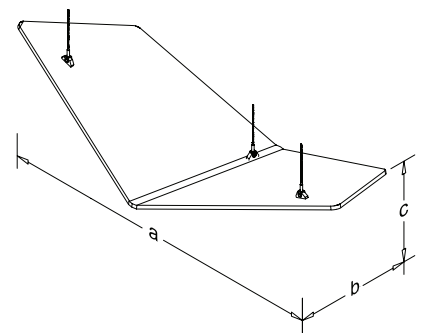




hush.  
*acoustics*

# Clouds

Flutter



a = 1380      b = 650      c = 270  
1800            820

All measurements shown in mm

\* Custom sizes available upon request

*Quiet by design*

## Overview

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The Hush Clouds offer an extensive standard range of acoustic sails in several shapes and designs. The many designs and colour combinations allow for your design ideas to come to life. Created by our Hush design team these acoustic clouds are the solution to your next project.

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.

## Specifications

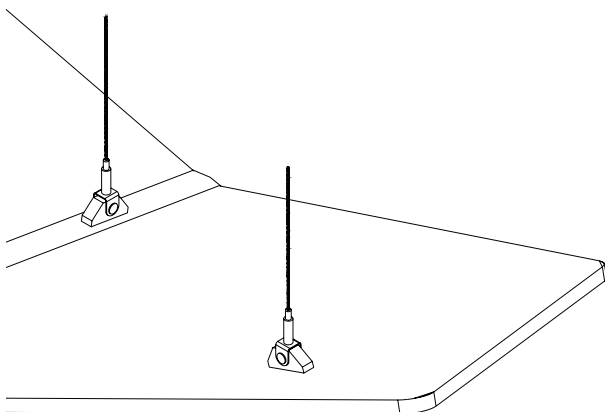
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- 12mm Material Thickness
- 0.85 NRC rating

## Hardware

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### Shoulder suspension brackets



## Colour Options

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### Element Colours:



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:



# 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

