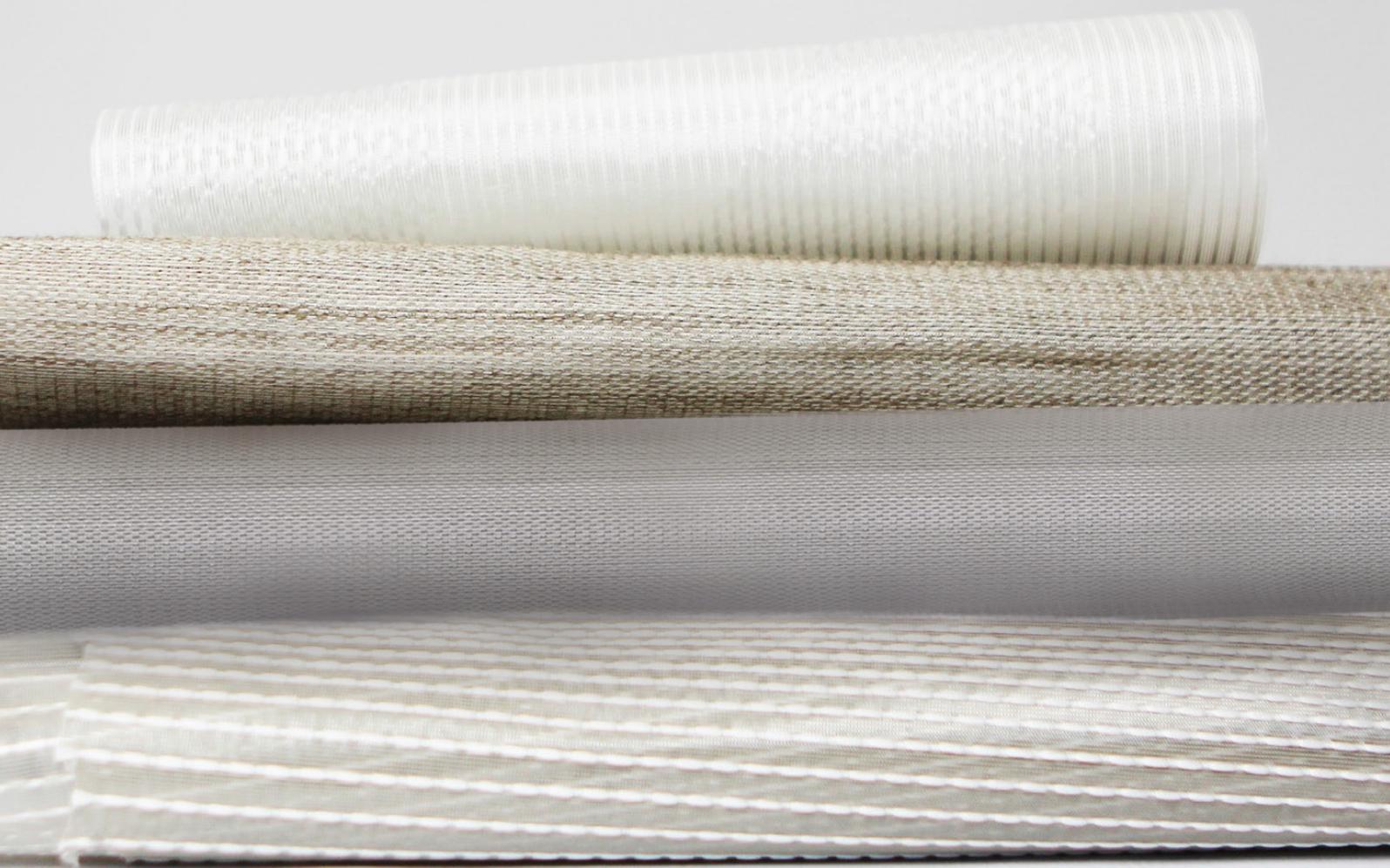


*Luxaflex*<sup>®</sup>

# Hush<sup>®</sup> Blinds by Luxaflex<sup>®</sup>



A REVOLUTIONARY ACOUSTIC SOLUTION

# Hush® Blinds

## Hush® blinds absorb unwanted sound in any room

Hush® blinds by Luxaflex® aim for the harmonious balance of acoustics and aesthetics, by addressing issues of reflected, unpleasant sounds in commercial spaces, such as offices, retirement homes, restaurants and hotels.

### Sound of the room, as well as lighting design are the focus for acoustic solutions

Many beautifully considered spaces often face acoustic challenges, as noise reverberates, echoes and amplifies off the hard surfaces. Noise is simply unwanted sound and we are besieged with accidental and unpleasant sounds on a daily basis. Considering this, sound that is not managed, is interfering with complex task performance, speech intelligibility, behaviour and is also a potential stress inducer. This is therefore contradicting the experiences we want people to have, whether it be in the work place, relaxing in a hotel, recovering in hospital or enjoying your latter years in aged care.

Hush® blinds by Luxaflex® are a revolutionary product offering a modern low profile acoustic option. The Hush® blind range consists of two different patterns and colour ways: Soundcheck in Pumice and Frequency in White. This solution is perfect for rollershades as the fabrics absorb sound, improve understandability, as well as being translucent, flame retardant (Trevira CS), durable and with noise reduction coefficient results between 0.5 and 0.62; a combination previously unavailable for modern architecture.

### Benefits

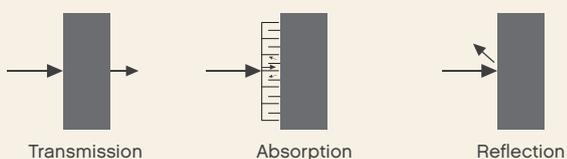
- Fabric offers acoustic absorption with a Noise Reduction Coefficient rating of 60%.
- Offers two different patterns and three different colour ways.
- Fire Retardant AS1530 part 2
- Woven with a ribbon shaped Trevira CS yarn, key to sound absorption.
- Suitable for commercial spaces such as office areas, restaurants, conference rooms, hotel lobbies and multifunctional halls.

## Sound Management

One of the biggest hindrances of a comfortable, productive environment is distracting noise that comes from for example other people talking. Sound management helps people to focus on a conversation or task. Hush® blinds are designed to manage sound.

How does this work? When sound strikes one of the surfaces of a room, this energy is partly transmitted through the material, absorbed by the material and reflected back into the room. Hush® fabrics absorb a large amount of the sound energy, which leaves less noise to be reflected back into the room and thus less distracting noise.

Sound interaction with a flat surface



**Hush® blinds are able to absorb about 60% of unwanted noise within a room.**

## A fabric range with acoustic results

### Acoustic absorption

Acoustic absorption refers to the process by which a material takes in sound energy, rather than sound being transmitted or reflected. The part of the sound energy that is absorbed by the material is said to be “lost” i.e. transformed into heat.

The Noise Reduction Coefficient rating (NRC) relates to the absorption effectiveness of the material, and is calculated by averaging how absorptive a material is at 4 different frequencies: 250Hz, 500Hz, 1000Hz and 2000Hz. Taking this average number, it is then applied to the NRC scale of 0 to 1.

A perfectly sound absorptive material achieves a 1, whereas a 0 indicates a reflective material. Hush® absorbs 57% (White) and 62% (Pumice) of the sound.

**“Hush® Acoustic blinds absorb at least twice the sound energy than any other blind fabric that I know of.”**

- David Spargo

**“An ideal way to introduce desperately needed, unobtrusive and highly effective sound absorption.”**

- David Spargo

David Spargo, owner Praxis Acoustics, Acoustics design – analysis and research.

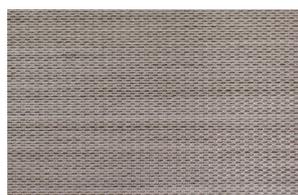
Frequency	250	500	1000	2000	Mean
Frequency Blind White	0.25	0.71	0.69	0.63	0.57
Soundcheck Blind Pumice	0.25	0.80	0.76	0.64	0.62
Soundcheck Blind Charcoal	0.25	0.80	0.76	0.64	0.62

# Product Specifications

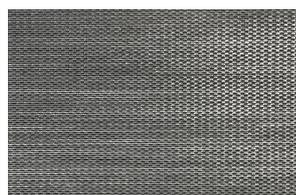
## Product colours



Frequency Blind in White



Soundcheck Blind in Pumice



Soundcheck Blind in Charcoal

## Cleaning instructions

Dust regularly. Spot clean with a damp cloth.

Do not wash, Do not dry clean.

## Technical information

Product	Frequency Blind (in White)	Soundcheck Blind (in Pumice & Charcoal)
Usage	Hush® Blind	Hush® Blind
Width	330cm approx	330cm approx
Pattern RPT	v 18 cm, h-n/a approx	n/a
Composition	91% Trevira CS, 9% Polyester	91% Trevira CS, 9% Polyester
Flame Retardancy	Independently tested to AS1530 part 2. Flammability Index: 1 Range [0-20]	
Acoustical Properties	0.57 NRC	0.62 NRC
Visual Light Transmittance	58%	58%
Solar Transmittance	58%	58%
Solar Reflectance	36%	36%
G value at 4mm single clear glazing	0.69	0.69
Blind Position	For optimum acoustic benefit, position the blind 15cm from the window or wall.	

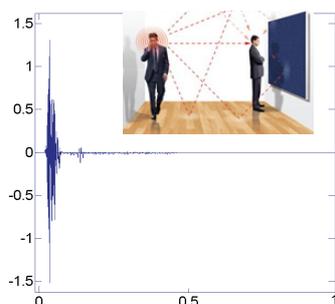
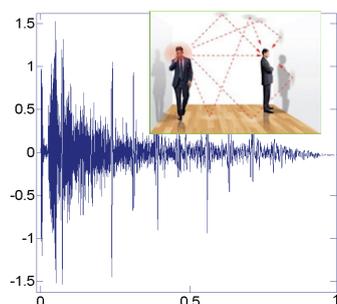
## Fabric features

### Dampening the echo

On the graphs is illustrated what happens with a soundwave in time, when you clap in a room.

In the first situation, there are no sound absorbers, so the sound is echoing from wall to floor and to ceiling for a long time.

In the second situation, an absorptive material like Hush® is used to minimize the echo-effect. So introducing a sound absorptive material does affect the initial intensity, but moreover dampens bothersome echos that keep reverberating.



For more information please contact New Zealand Window Shades on 0800 223 224 or <http://www.luxaflex.co.nz/contact-us>

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