

*hush.
acoustics*

Fortress
Spec Document



Check category page

Quiet by Design



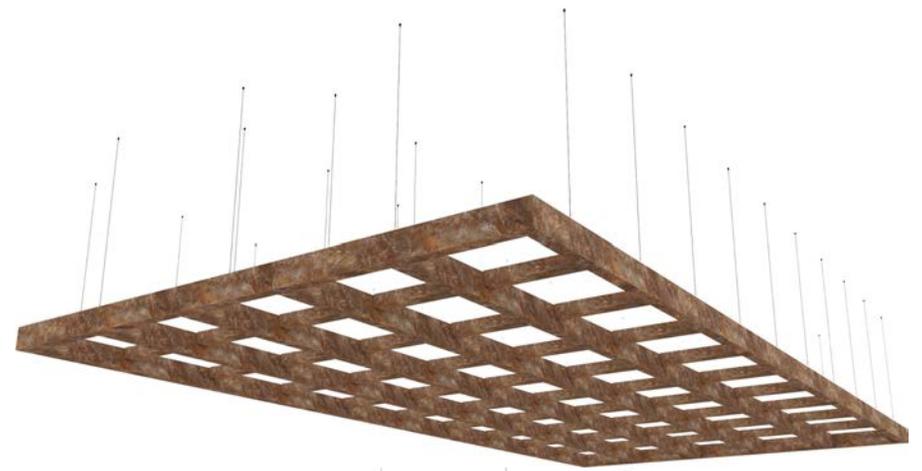
Fortress · Antique Oak Wood Grain · Meeting Room

Fortress

Designed for large open areas, featuring simple modular installation, optional rounded perimeter beam corners, and lay-in backing panels for open cells

PRODUCT SPECIFICATIONS

Composition	100% PET (Polyethylene Terephthalate); 60% recycled material
Thickness	12mm
Product Placement	Ceiling, Hanging
NRC	1.1
Fire Rating	CAN/ULC-S102 Class A ASTM E84 Class A
Sustainability	100% Recyclable
Warranty	2 Year Limited



Square Edges



Round Edges

COMPLIMENTARY DOCUMENTATION



Environmental Product
Declaration



Felt
Maintenance Guide



Flame
Spread

See *Resource Hub* page on website for more documentation

FORTRESS

<i>mm</i>	<i>inches</i>
4925 x 2520 x 240	194 x 100 x 9.5

* Custom sizes available upon request

Fortress

GREENGUARD® GOLD CERTIFICATION

Hush Acoustics has achieved full GreenGuard® Gold sustainability certification, a mark of excellence that ensures our products meet strict standards for low chemical emissions, promoting healthier indoor air quality.

This recognition gives architects, designers, and consumers confidence in choosing Hush for environmentally responsible solutions. Beyond sustainability, Hush's felt products offer excellent sound-absorbing properties, making them ideal for creating quieter, more comfortable spaces.

SUSTAINABILITY

Manufactured from 100% PET(60% recycled material), our felt products demonstrate our commitment to both environmental stewardship and functional design, contributing to a greener and quieter future. It comprising of flame-retardant fiber as new material ensuring ASTM E84 class A certification. The high strength of PET panels in comparison to its weight is the key to its superior energy efficiency.

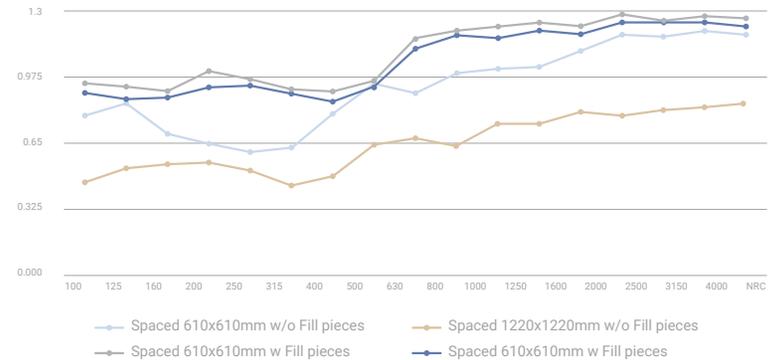
FUNGAL RESISTANT

Independently tested by EMSL Canada, Hush P.E.T. felt showed zero mold growth under ASTM C1338 laboratory conditions, confirming exceptional durability.

WARRANTY

2 year limited warranty. See F.A.Q. page on our website for more information.

Beams NRC Comparison for 94.5"x11.80" OC-13.78"
[2400x300mm OC-350mm]

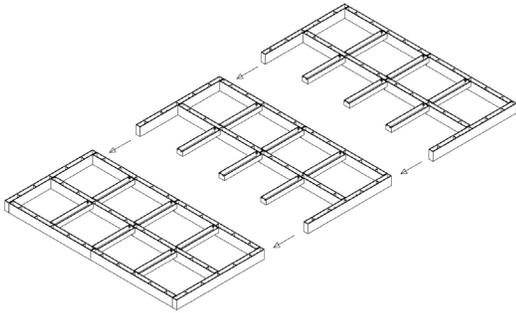


Frequency (Hz)	Spaced 610x610mm w/o Fill pieces	Spaced 610x610mm w Fill pieces	Spaced 1220x1220mm w/o Fill pieces	Spaced 610x610mm w Fill pieces
100	0.79	0.95	0.46	0.90
125	0.85	0.93	0.53	0.87
160	0.70	0.91	0.55	0.88
200	0.65	1.01	0.56	0.93
250	0.61	0.97	0.52	0.94
315	0.63	0.92	0.44	0.90
400	0.80	0.91	0.49	0.86
500	0.95	0.96	0.65	0.93
630	0.90	1.17	0.68	1.12
800	1.00	1.21	0.64	1.19
1000	1.02	1.23	0.75	1.17
1250	1.03	1.25	0.75	1.21
1600	1.11	1.23	0.81	1.19
2000	1.19	1.29	0.79	1.25
2500	1.18	1.26	0.82	1.25
3150	1.21	1.27	0.83	1.25
4000	1.19	1.27	0.85	1.23
NRC	0.95	1.10	0.70	1.05

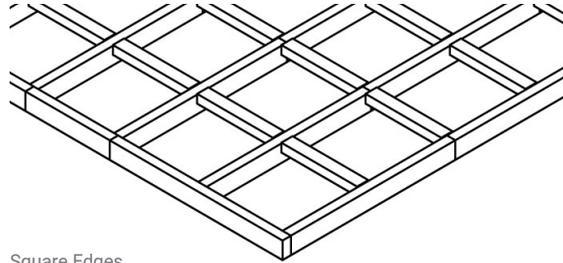
Fortress

HOW TO SPECIFY

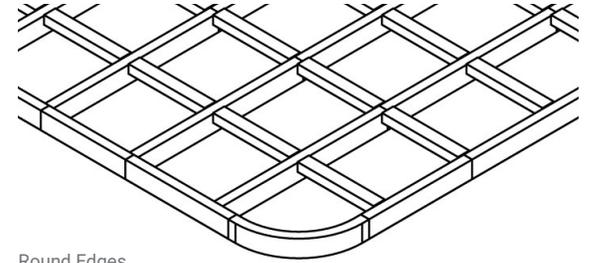
1. Select quantity of modules



2. Select edge style

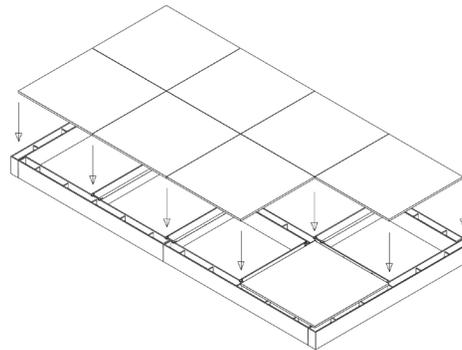


Square Edges



Round Edges

3. Optional Backing



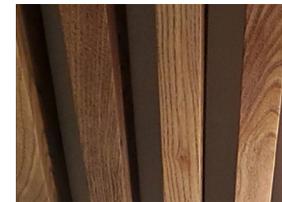
4. Select Colour



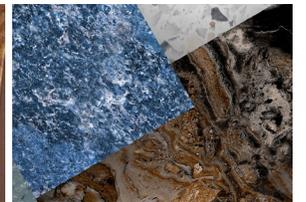
Element



Luxe Series



Wood Grains

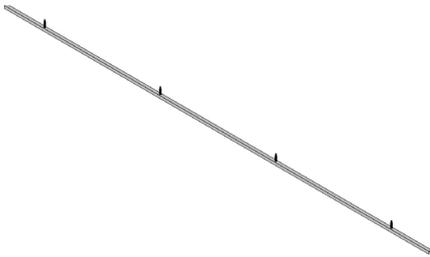


Concrete & Stone Grains

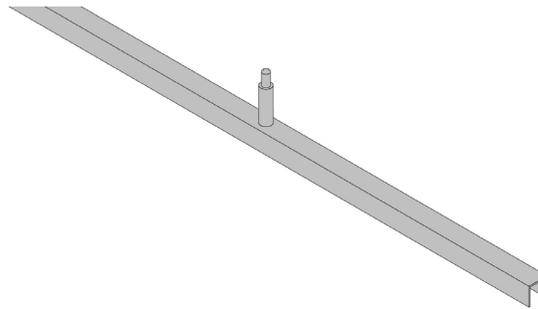
Fortress

INSTALLATION INSTRUCTIONS

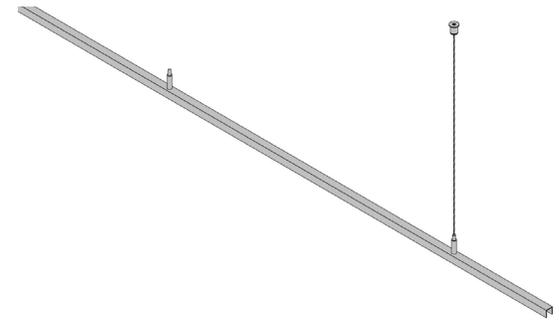
1. Locate the aluminum channel for the main Beams (they are typically the longest lengths, but please refer to your project shop-drawings for confirmation as your order may have been customized).



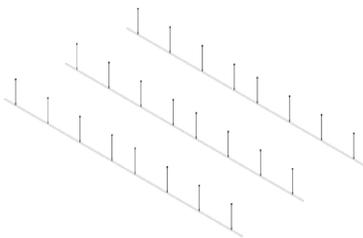
2. Ensure that suspension hardware is attached and secured to the aluminum channel.



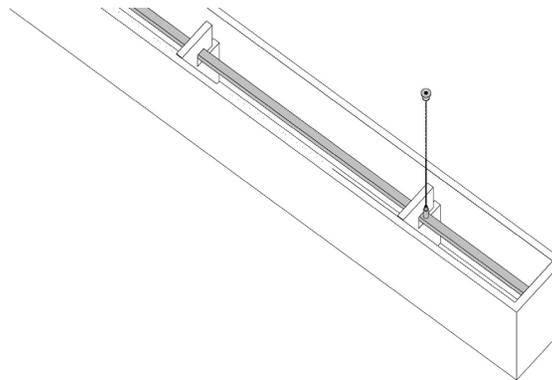
3. Now, add the aircraft cable and ceiling hardware.



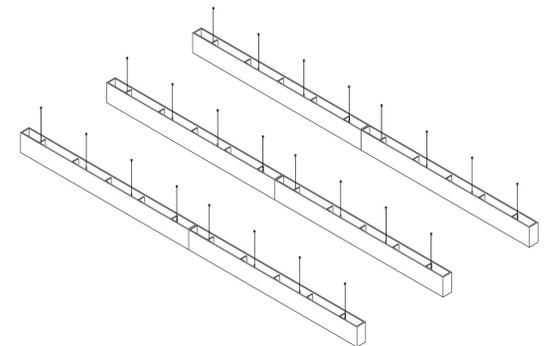
4. Repeat this process for all remaining suspension points for the main Beam sections. Mount to ceiling in desired location, ensuring that the ends of each 'run' are aligned. Typical parallel spacing is 1200mm on center. (Please refer to your project shop-drawings for confirmation as your order may have been customized).



5. Now attach the acoustical Beams to the aluminum channel by placing the channel into the cut-out in the Beam ribbing as shown below.



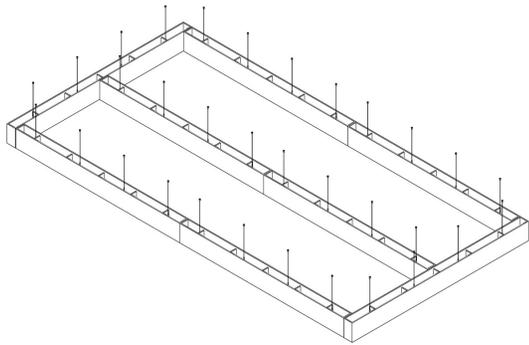
6. Repeat this process for all main Beam sections.



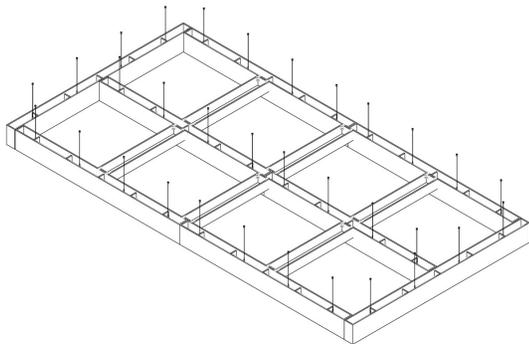
Fortress

INSTALLATION INSTRUCTIONS - CONT.

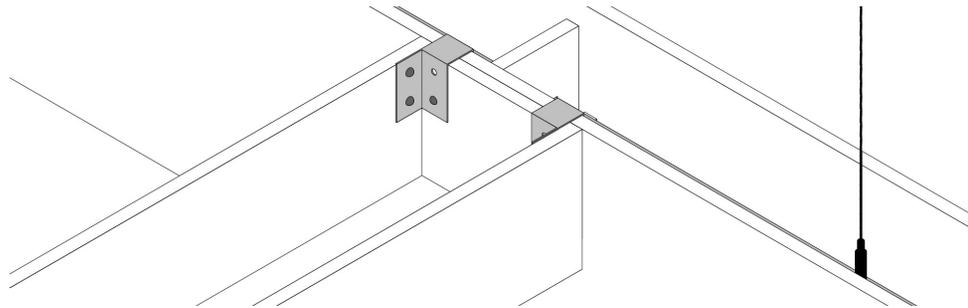
7. Now add the end Beams to the unit, using the same methods as used for the main Beams in steps 1-6.



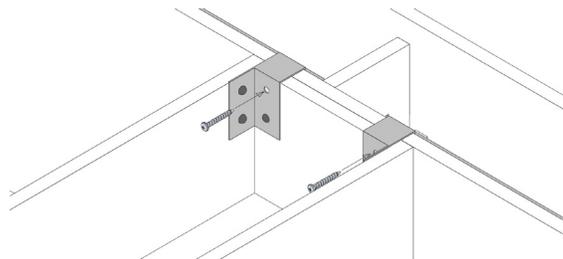
9. Repeat this process for all intermediate Beams.



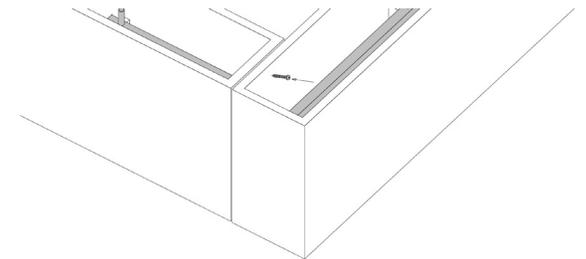
8. Locate the intermediate Beams, and mount them between the main Beams, in a perpendicular orientation. Typical parallel spacing for intermediate Beams is 1200mm on center from both main Beams and other intermediate Beams. *(Please refer to your project shop-drawings for confirmation as your order may have been customized).* Ensure that the intermediate Beam is correctly seated and the bracket is engaged into the main Beams.



10. Now that the Fortress unit assembly is suspended in place, secure the intermediate Beams in place by adding 1 screw into each corner of each intermediate Beam as shown below.



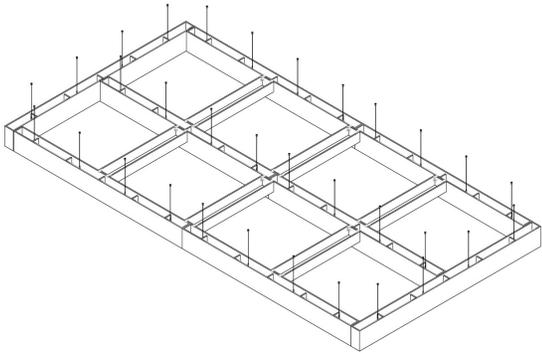
11. Now, ensure that the main Beams around the perimeter of the unit are all flush. Fix main Beams together by adding one screw at each end of the Beam at the point that they butt up to other main Beam.



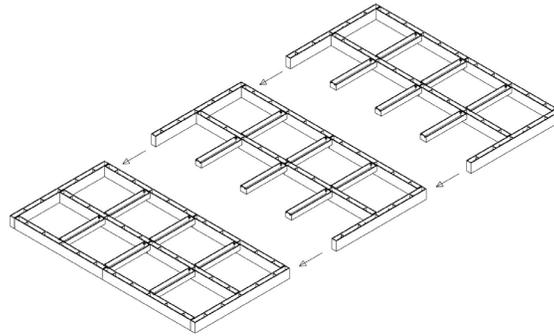
Fortress

INSTALLATION INSTRUCTIONS · CONT.

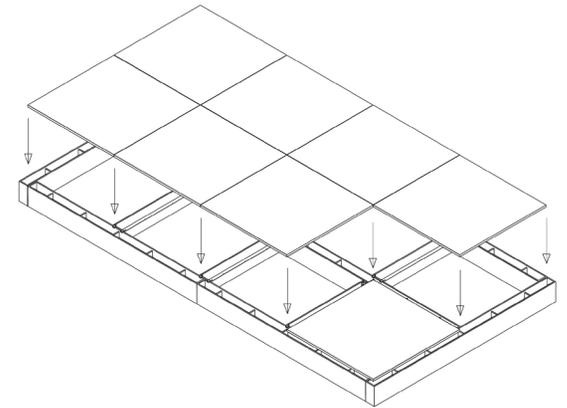
12. Your Fortress installation is now complete.



13. If using multiple modules, repeat steps 1-12 for each additional module.



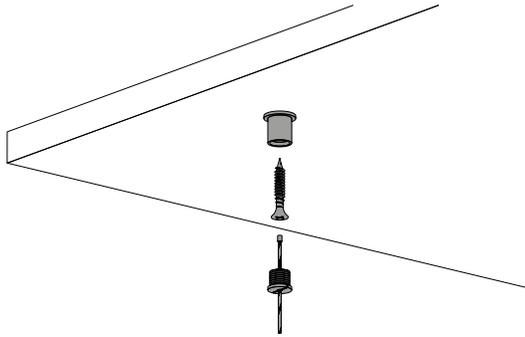
14. If using optional backing, add these panels as the final step – once all leveling and fixing has been completed.



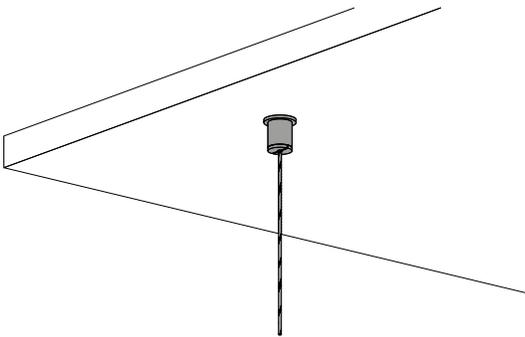
Fortress

CEILING HARDWARE · SINGLE ANCHOR

1. Secure the nut section of the Single Anchor to the ceiling using hardware recommended for your ceiling material. Now insert the wire cable into the bolt section, ensuring that the steel stub on the cable is seated inside the bolt section.

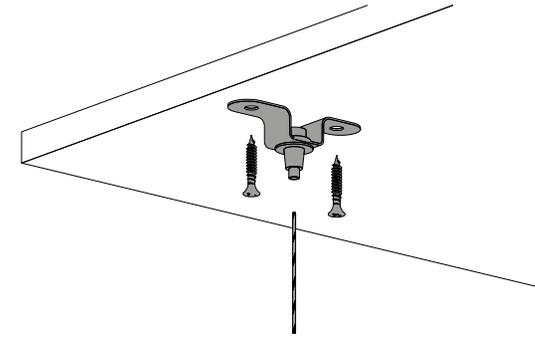


2. Now thread the bolt section into the nut that is fixed to the ceiling. Your ceiling hardware is now installed and ready for use.

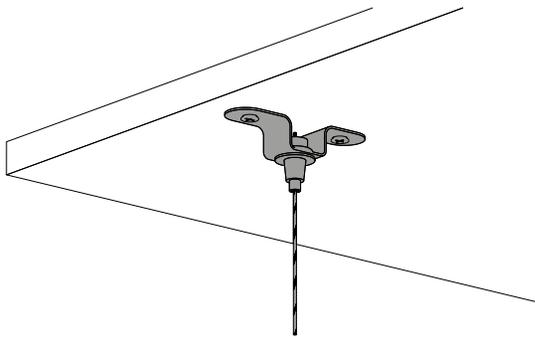


U-ANCHOR

1. Mount the U-Anchor by screwing it to the ceiling using hardware recommended for your ceiling material.



2. Insert approximately 1" of the wire cable into the U-Anchor as shown below. Your ceiling hardware is now installed and ready for use.



Colour Options

PLEASE NOTE: The images are only a sampling of the colours. Order a physical colour sample to obtain an accurate representation of our acoustic colours. Given our dedication to sustainability and use of recycled materials, a slight colour variation could occur between dye lots.

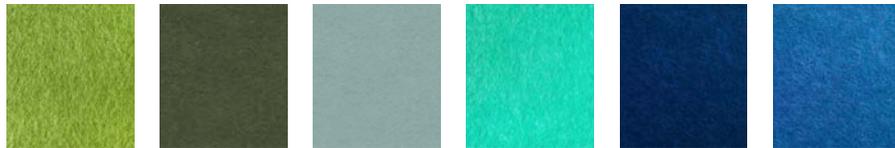
ELEMENT



SUNFLOWER APRICOT WINE CHERRY TAMARIND SALMON



GOLD CARAMEL CINNAMON PEARL MAPLE MOCHA



MOSS FORREST CRYSTAL AQUAMARINE LAPIS OCEAN



LAKE ICE LILAC CHARCOAL SLATE OYSTER



SHADOW CASPER FOG SNOW VANILLA

WOOD GRAINS



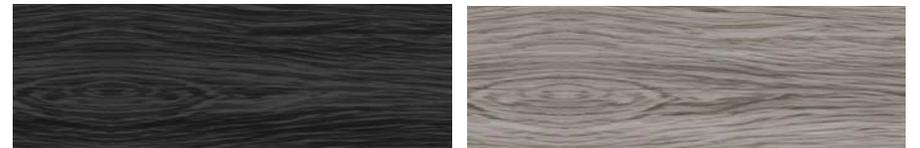
HONEY PINE SAND



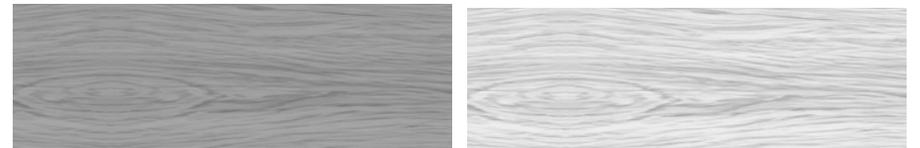
ANTIQUE OAK CHERRY



WALNUT MAHOGANY



BLACK TEAK ASHWOOD



GREY MAPLE WHITEMIST

Colour Options (cont.)

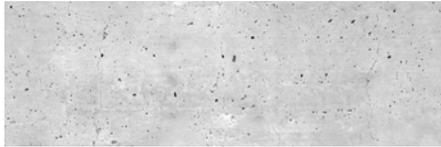
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LUXE SERIES

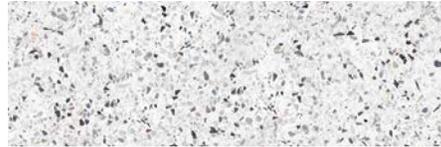


Colour Options (cont.)

CONCRETE & STONE GRAINS



CONCRETE



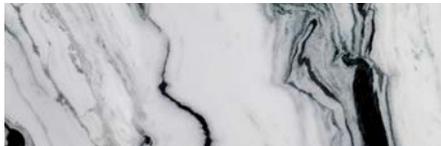
TERRAZZO GREY



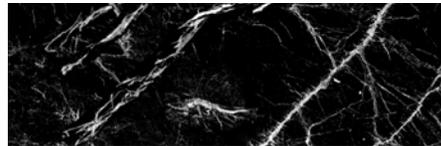
BRECCIA MARBLE



TERRAZZO ORANGE



PANDA MARBLE



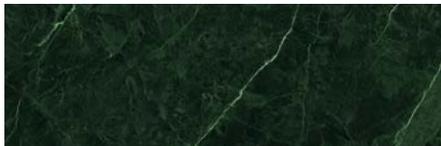
BLACK MARBLE



BLACK AND GOLD GRANITE



GRUNGE MARBLE



GREEN QUARTZ



BLUE GRANITE

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COLOUR MATCH SERVICES

Can't find the tone you're looking for?

Hush Acoustics' felt Colour Match services enhance architectural projects with rich visuals and tactile appeal, whether for panels, murals, or other design applications. Our felt brings depth and sophistication to any space, offering a customizable and memorable design element that elevates the overall experience.

With advanced equipment, we produce high-resolution, colour-accurate results that capture subtle gradients and find textures, all while maintaining acoustic performance. Every Colour Match is carefully managed by our Senior Graphic Designer to ensure that the final output closely aligns with the designer's original vision.

Commonly Matched Materials (matte finishes only):

Wall Paints

Dulux, Benjamin Moore, Behr, and other popular brands

Fabric

From linen to wool, we match not just the colour, but also the texture in most of the cases

Wood Laminates

WilsonArt and other popular brands

Pantone® Hues

We simulate your company's brand tones using the Pantone® Uncoated palette

Stones

We can simulate a wide variety of stone types based on your needs

Generic Textures

Get in touch with our Acoustic Specialists, we will be glad to assist you

Learn More
**COLOUR
MATCH SERVICES**





Fortress · Antique Oak Wood Grain · Meeting Room

hush. *acoustics*

Tailored for Architects,
Interior Designers, and
General Contractors, we serve
as a fast, expert, and reliable
partner for all your project ideas.

Quiet by Design



Proudly
Made in Canada



2 Year
Limited Warranty



**GreenGuard Gold®
Certified**
All Hush products
exceed GreenGuard
Gold® indoor air
quality standards



**Fungal Resistant
Certified**
EMSL Canada verified
zero mold growth
for Hush P.E.T. felt
(ASTM C1338).

hello@hushacoustics.ca · 204.454.1950
31 Limestone Bay, Stonewall, MB
Canada · R0C 2Z0

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