



A R K T U R A

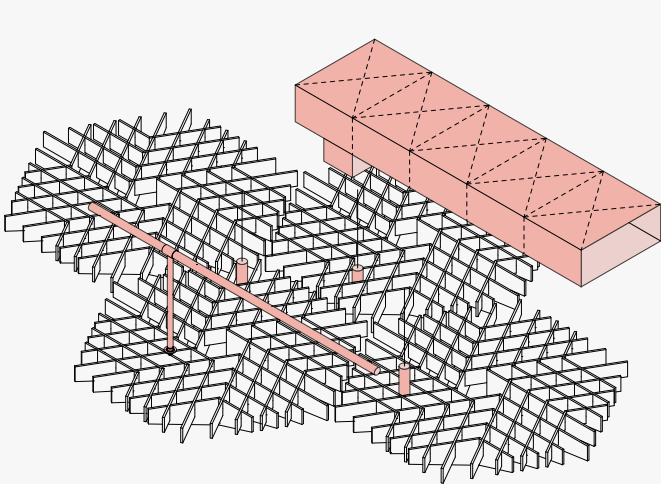
SoftGrid® Orbit



Ceiling **Baffles**

Our Key Features

Orbit's acoustic ceiling modules create a swath of honeycomb across your ceiling that provides targeted acoustic support thanks to its Soft Sound® material. Each honeycomb module can easily connect with another, to create either an intricate pattern or a full ceiling of hexagonal design.



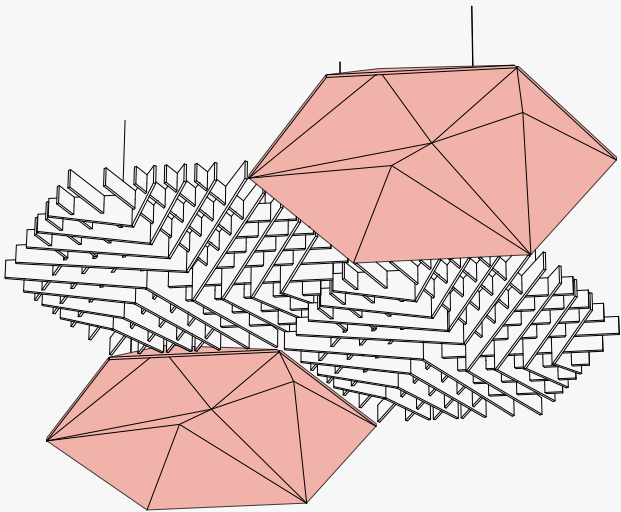
Open Plan Accessibility

SoftGrid®'s open grid design makes integrating systems above or below the modules simple and feasible. Easily removable fins and open structure makes accessing lights, HVAC, rigging points, plumbing, AV equipment, and life safety systems easy for your maintenance team.



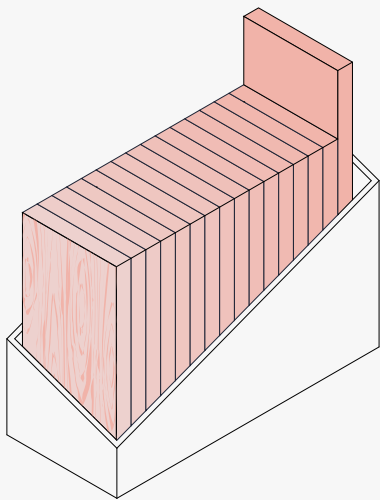
Reduce Noise & Enhance Acoustics

SoftGrid®'s Soft Sound® material reduces the impact of noise from everyday annoyances like ringing, typing, and chatter resulting in a more pleasant and productive environment. SoftGrid®'s material works in concert with the design to help reduce and control reverberations leaving a lasting impression at scales ranging from assembly halls to conference rooms.



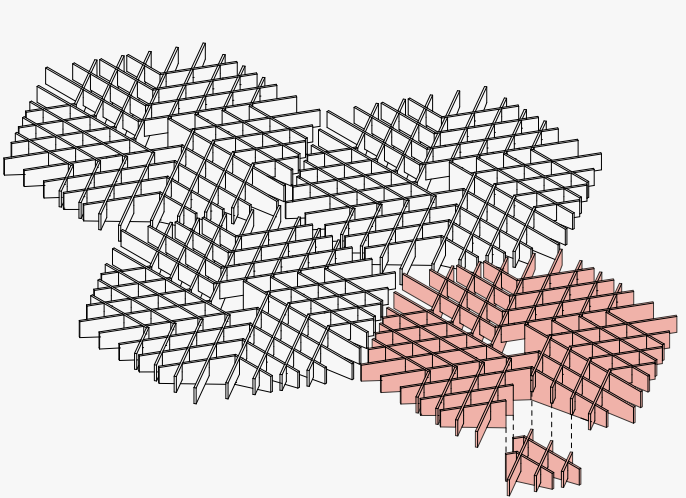
Compatible with SoundStar®

SoftGrid®'s hexagonal modules - Deca, Orbit, and Flux - are compatible with SoundStar®. Create dynamic and transformative design variation in any space.



Expansive Soft Sound® Library

Choose from a large library of Soft Sound® colors and wood textures. Mix and match colors to to accent fins and complement the color scheme of your space.



Field Modifiable

SoftGrid® modules can be trimmed down to a minimum of four fin intersections. By rearranging our adjustable hangers, we make it easy for you to specify standard modules that can be easily field-modified around anticipated or unforeseen site conditions during install.

Inspiration



Create Unique Configurations



Add Texture While Reducing Noise



Create Interesting Lighting Effects

Overview

1 Understanding the System

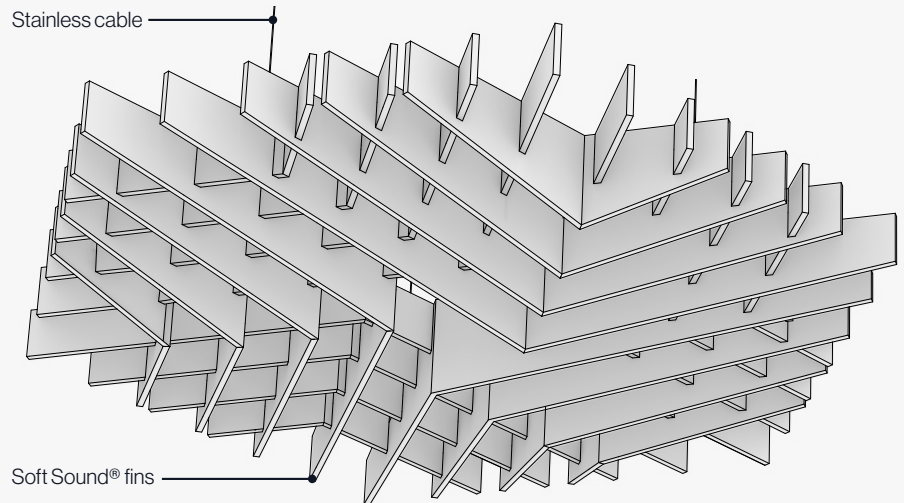
2 Available Finishes

3 Product Specifications

1 Understanding the System

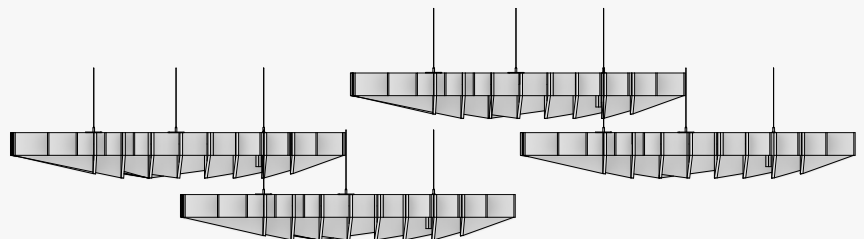
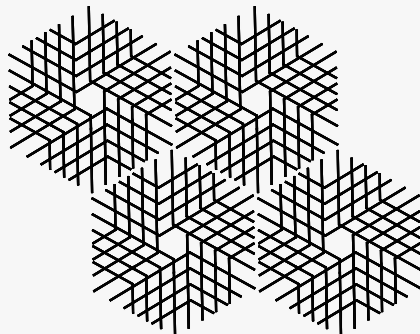
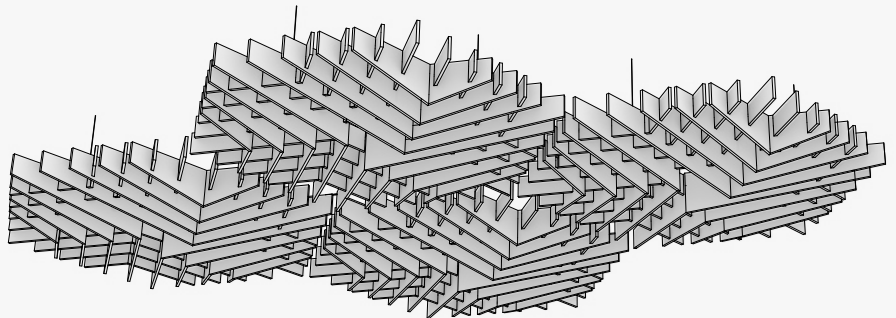
Standard Module

Modules are made from Arktura's lightweight & durable Soft Sound® acoustical material with stainless steel brackets.



Designing with Modules

Modules can be tiled in multiple directions in plan utilizing their hexagonal geometry. Modules may all be stepped in section or placed in a continuous plane.

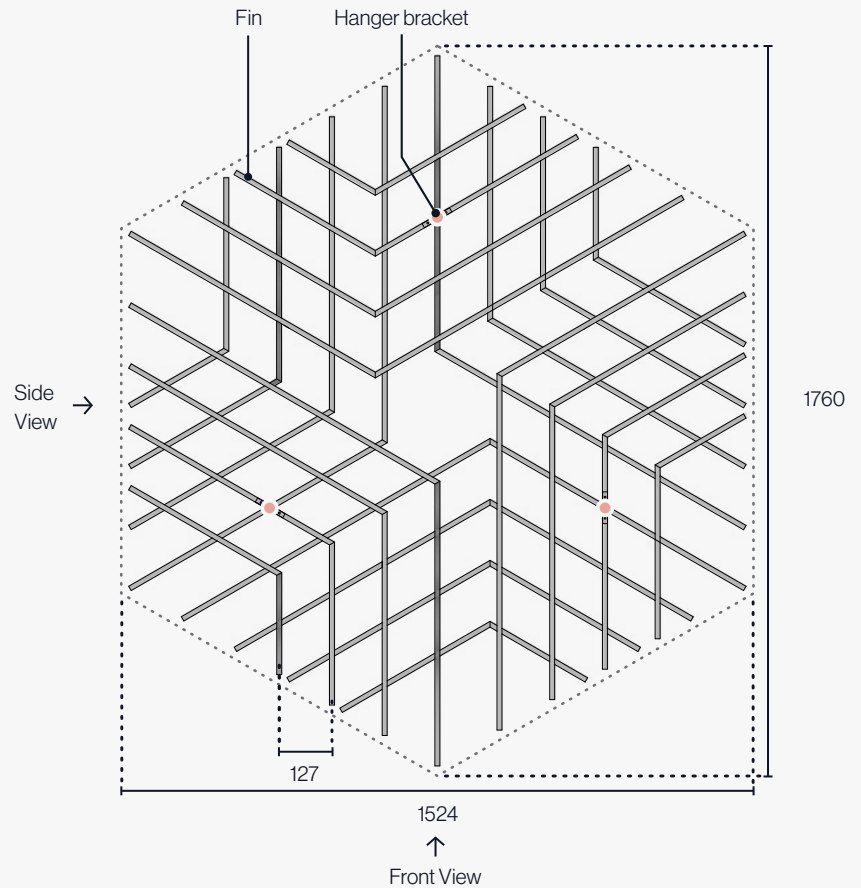


1 Understanding the System

Understanding the Module

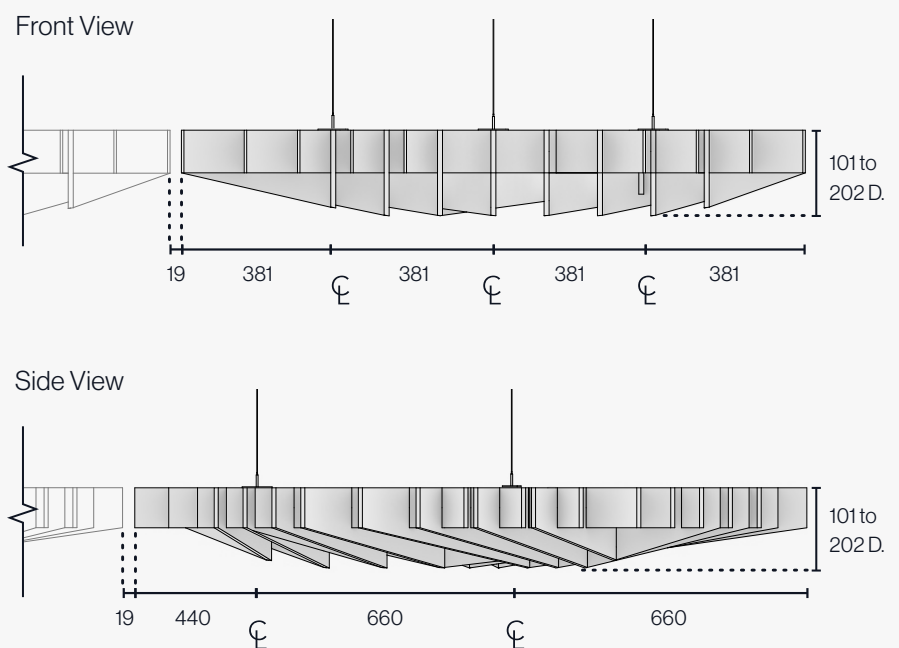
Plan

85% open in plan.



Elevations

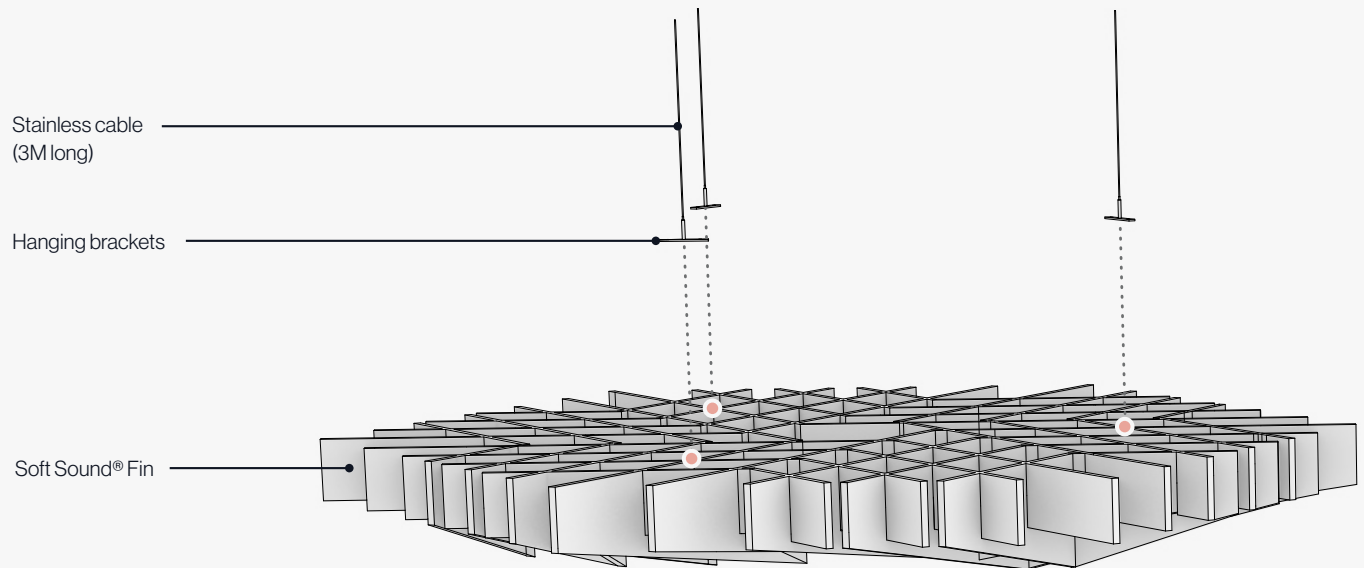
Fin depth varies from 100 to 200 deep.



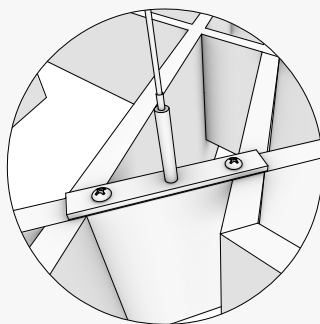
1 Understanding the System

Attachment Details

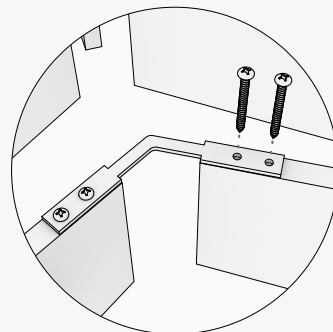
To minimize the visual impact of our hanging system, we provide 1.5mm stainless cables and a micro quick-release wire clamp with hanging brackets at 3 locations.



Hanging Bracket Attachment



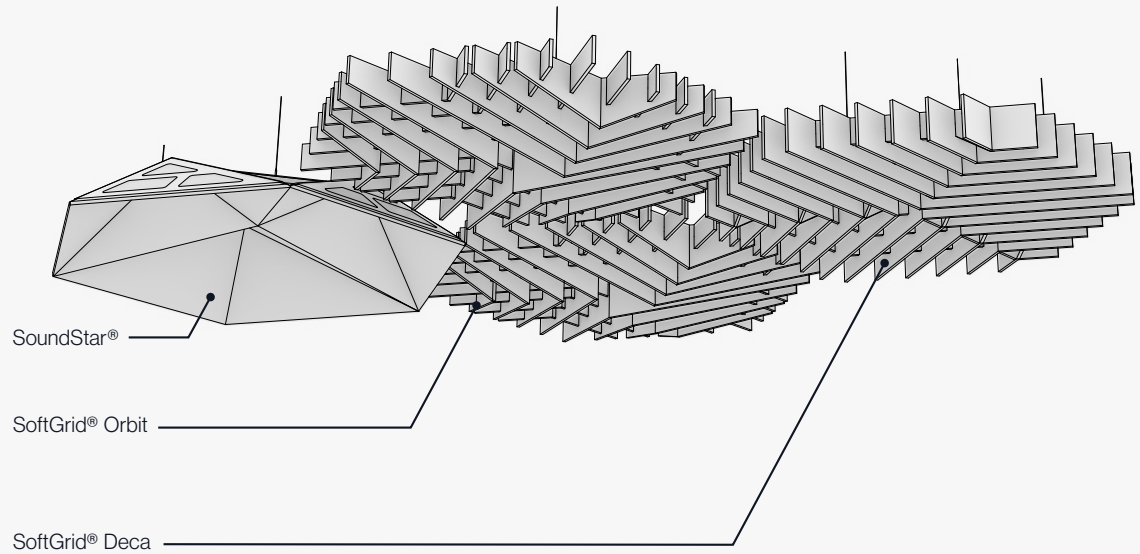
Module Joining Bracket



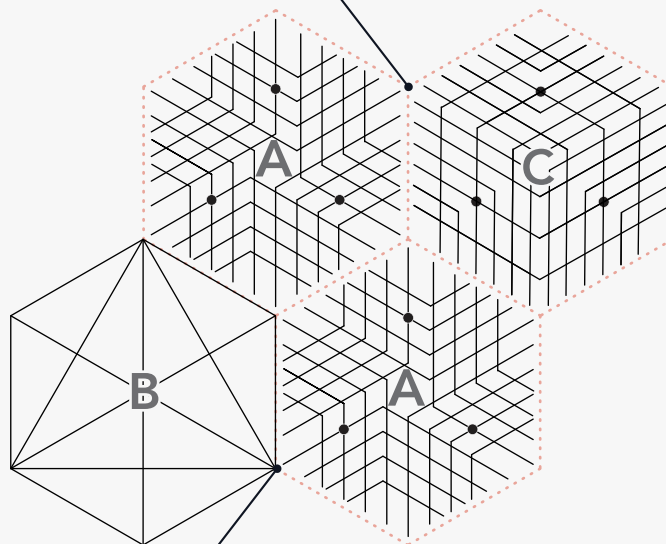
1 Understanding the System

Combining With Other Products

Create drama in your design by mixing other hexagonal SoftGrid® and SoundStar® modules together.



38 gap between SoftGrid® modules



SoftGrid® Orbit (A)
SoundStar® (B)
SoftGrid® Deca (C)

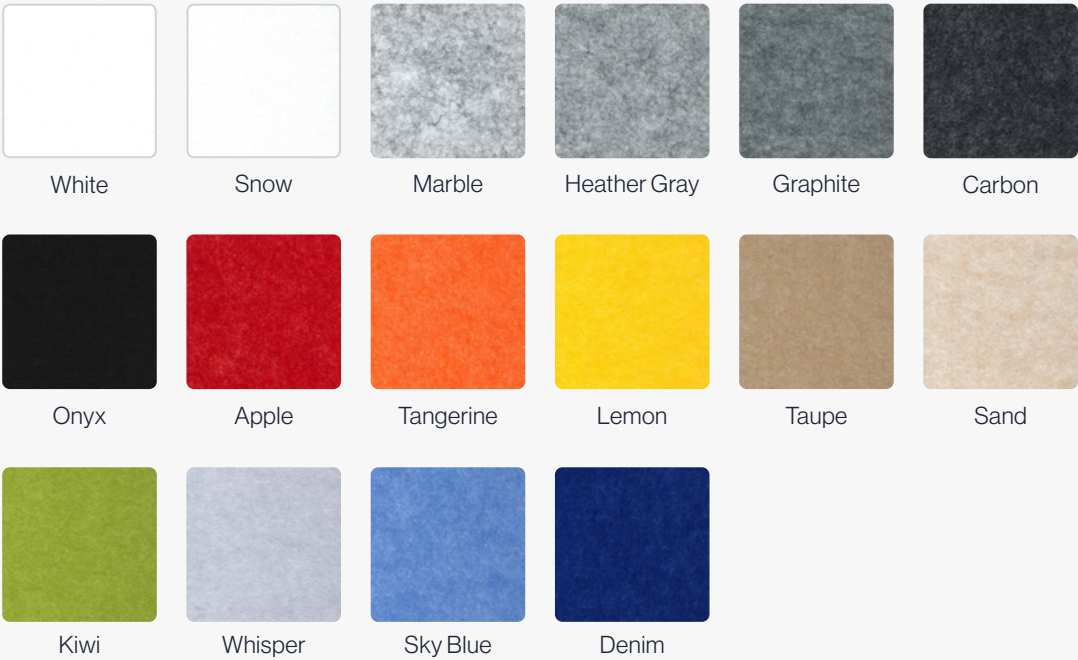
20 gap between
SoftGrid® Orbit and
SoundStar® modules

2

Available Finishes

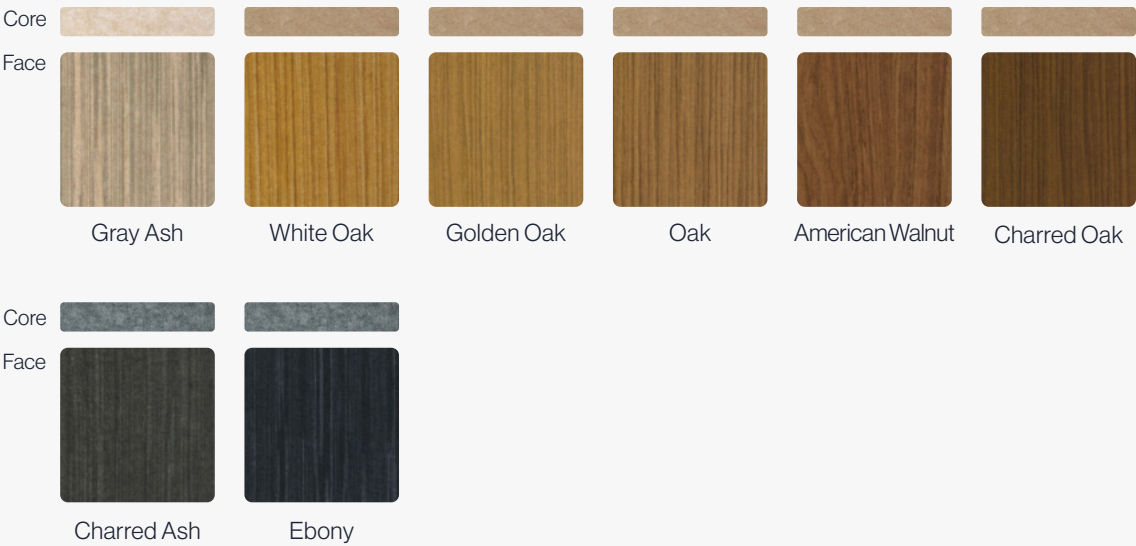
Baffle Color

Soft Sound®
Color Group A
Standard



Soft Sound®
Wood Texture
Premium

As with natural wood, variation in color and grain is expected and grain will not align across panels.



Due to the nature of non-woven materials, light may pass through Soft Sound® in any thickness or color. A translucent appearance is most apparent in lighter colors and thin material when a light source is present behind the material. Arktura makes no claims or warranties about the material performing as opaque in any circumstance. To verify a products performance for light transmittance, a mockup of the specific intended use is recommended.

3 Product Specifications & Certifications

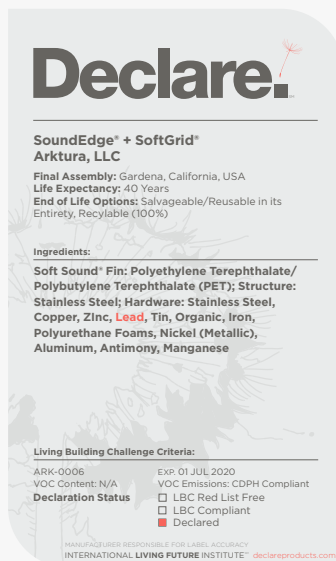
System Specs

Dimensions (WxLxD)	1760 X 1524 X (Min. 101 Max. 202)
Material	12mm Soft Sound® (PET), Stainless Steel
Openness in Plan	85%
Fire Rating	ASTM E84 - Class A B-S1-d0
Acoustics	True NRC™ 0.70 (F-100 Method)
Attachment Method	1.5mm stainless cable and hardware
Accessibility	Yes, quick release cables
Trimability	Yes, per installation manual

Product Certifications

Living Building Challenge

Learn more at living-future.org



Certification for SoftGrid®

Patented

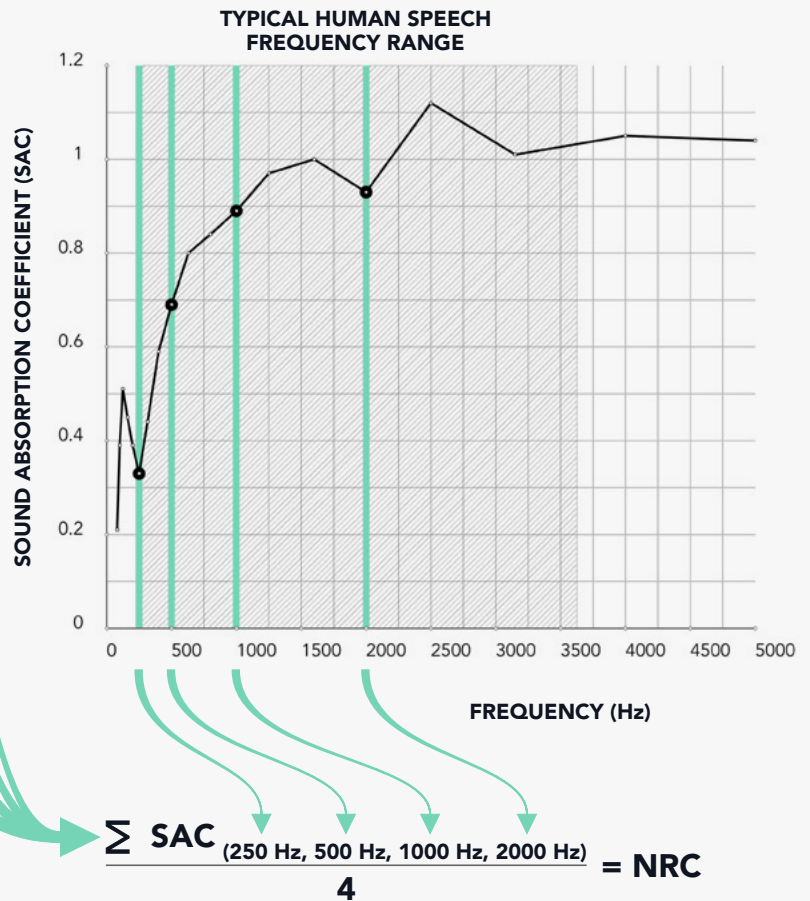
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Acoustic Performance

SoftGrid® Orbit

TRUE NRC™ is Arktura's commitment to providing accurate and appropriate acoustic data for our products. It represents testing based on realistic conditions for the use of our products.

FREQUENCY (Hz)	SOUND ABSORPTION COEFFICIENT (SAC)
80	0.21
100	0.39
125	0.51
160	0.45
200	0.39
250	0.33
315	0.44
400	0.59
500	0.69
630	0.80
800	0.84
1000	0.89
1250	0.97
1600	1.00
2000	0.93
2500	1.12
3150	1.01
4000	1.05
5000	1.04



Test Arrangements

Most popular application highlighted **green**.

F100 Mounting Type - Ceiling - NRC: 0.70

In this mounting type, the specimen is separated from the horizontal test surface 100mm (3.93") from the back of the module with spacers. Modules were evenly distributed, fins touching, in the 8'x9' testing space, representing a typical layout.

A Mounting Type - Wall - NRC: 0.65

In this mounting type, the specimen is placed directly on the horizontal test surface. Intended for carpet, wall panels, or any product that will be laid directly on the floor or attached to a wall with adhesive or mechanical fasteners. This mounting type represents the product suspended on a wall.

F150 Mounting Type (Soft Sound® Material Only) - NRC: 0.90

In this mounting type, the specimen is separated from horizontal test surface 150mm (5.90") from the back of the panel with spacers. This is intended to simulate the raw material using spacers or spacing clips.

i Acoustic performance can vary widely based on how a product is mounted. Learn more about acoustic performance and how NRC is calculated at True NRC™. Testing was conducted through Intertek, Lake Forest, CA per ASTM C423.

True NRC™: 0.70

SAA: 0.75

Test Results for Ceiling spelling with F100 Mounting Type

ACOUSTIC
TESTING
ASTM C423

Definitions

Sound Absorption Coefficient describes the fraction of the incident sound energy that a material absorbs. Theoretically it can vary from 0 (no energy absorbed) to 1.0 (perfect absorption with all incident sound energy absorbed.)

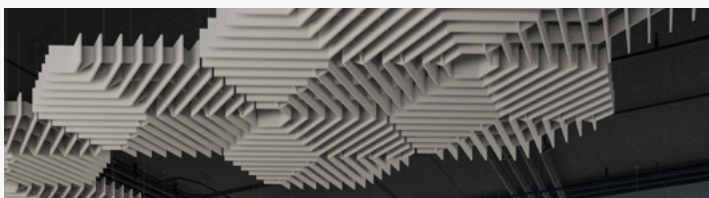
NRC (Noise Reduction Coefficient) rating is the average of the sound absorption coefficients at 250, 500, 1000 and 2000 hertz. The average is rounded to the nearest multiple of 0.05.

SAA (Sound Absorption Average) rating is the average of the sound absorption coefficients at an octave range of 12 frequencies ranging from 200 to 2500 hertz. The average is rounded to the nearest multiple of 0.01.

Product Line

Design Options

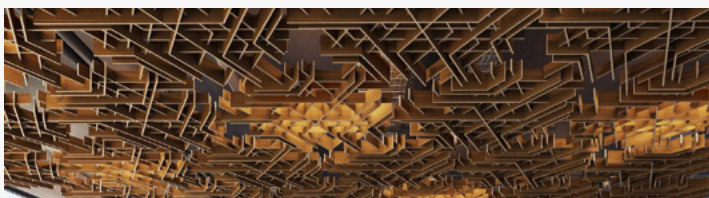
Select the style that best suits your vision and project needs. Pick from a variety of designs, all made from our Soft Sound® acoustical material, to provide high performance sound attenuation while enhancing aesthetics.



SOFTGRID® DECA



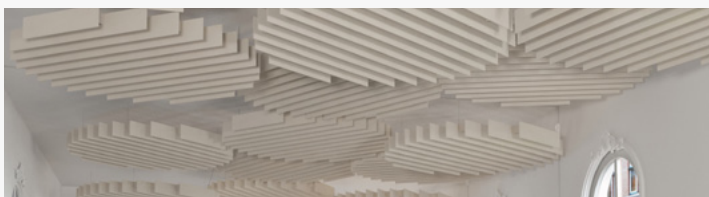
SOFTGRID® DOME



SOFTGRID® FLUX



SOFTGRID® ORBIT



SOFTGRID® ROUND



SOFTGRID® SCALE



SOFTGRID® SINE



SOFTGRID® SKYLINE



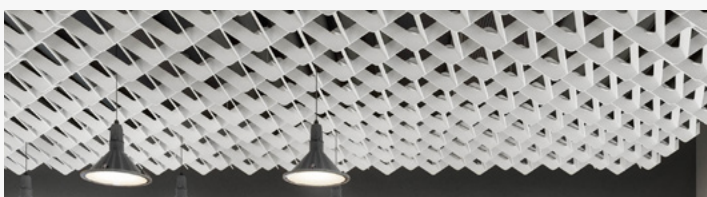
SOFTGRID® SLOPE



SOFTGRID® SQUARE



SOFTGRID® SWITCH



SOFTGRID® WAVE