**Quiet Core
Acoustic Solutions**

Looking for the perfect finish to compliment your design?
Our customization options are simple.

Quiet Core
Acoustic Solutions

Studio Design Group

It begins with our core
Engineered for quality. Our panels are exceptionally strong and provide superior dimensional stability as compared to traditional acoustic planks.
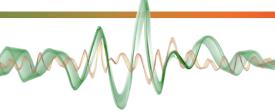
Superior Sound Control
Our acoustic panels deliver exceptional acoustic performance—no added insulation or backloading behind open reveals required.

Eppstein Uhen

Planet-Approved. Engineered to Last.™

endurematerials.com   866-631-2221

Quiet Core Acoustic Solutions

STABILITY

Quiet Core panels have over 6 times more span strength and 2.5 times less expansion and contraction.

Every material used within a Quiet Core panel is engineered to increase torsional rigidity and span strength, while minimizing longitudinal movement. This results in a panel significantly more dimensionally stable.

OPTIONS

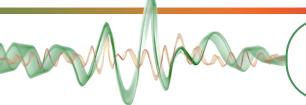**Quiet Core panels are available in various thicknesses, flat or curved and in sizes up to 5'x12'.**

Due to structural instability, grooved panels are typically limited to sizes 4'x5' or smaller.

COST

Quiet Core panels often cost less than other architectural acoustic solutions.

Additional cost savings can be realized through significantly shorter lead times, lower installation costs, and much easier long-term maintenance.
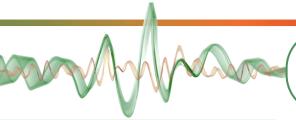
MicroPerfection® Technology
Sound absorption increases effectiveness as noise levels rise. The result is a more comfortable and natural feeling environment.

Planet-Approved. Engineered to Last.™

Quiet Core Acoustic Solutions

	LR M-19 3rd Generation	LR M-25 3rd Generation	LR M-38 3rd Generation	LR M-51 3rd Generation	RF M-19 3rd Generation	RF M-25 3rd Generation	RF M-38 3rd Generation	RF M-51 3rd Generation
MicroPerfection® Patent Pending	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic Sound Control™	✓	✓	✓	✓	✓	✓	✓	✓
ACOUSTICS								
NRC ASTM-C423	.70	.80	.90	.95	.70	.90	.95	1.00
CAC ASTM-E1414	n/a	39	39+	39+	43	46	46+	46+
STC ASTM-E336	n/a	n/a	n/a	n/a	n/a	37	37+	37+
STRUCTURE								
Linear Expansion ASTM-D1037	+/-0.4%	+/-0.4%	+/-0.4%	+/-0.4%	+/-0.4%	+/-0.4%	+/-0.4%	+/- 0.4%
Span Strength Deflection over 2440mm	13mm	13mm	13mm	13mm	13mm	3mm	2mm	2mm
Max. Panel Size	5'x12'	5'x12'	5'x12'	5'x12'	5'x12'	5'x12'	5'x12'	5'x12'
Weights	1.6 lbs/ft²	1.8 lbs/ft²	2.3 lbs/ft²	2.7 lbs/ft²	1.7 lbs/ft²	1.9 lbs/ft²	2.3 lbs/ft²	2.7 lbs/ft²
HEALTH								
Low VOC CDPH-1350 Compliant					✓	✓	✓	✓
Moisture Resistance ASTM-D3273	Excellent	Excellent	Excellent	Excellent	Average	Average	Average	Average
Fire Class ASTM-E84	A	A	A	A	A	A	A	A

Planet-Approved. Engineered to Last.

Endure Acoustics

Quiet Core Acoustic Solutions

LR Series Specifications

Core:
Recomposed High Density Rock Fiber

Face:
12 Wood Species
Custom Paint/Sheen options

Finish Options:
Custom Stain
Clear or Tinted Catalyzed Lacquer
Clear or Tinted Matte/Flat Varnish

Fire Performance:
Class A Fire Rating (ASTM-E-84)

Antimicrobial:
Excellent. 10/10 for resistance to mold growth.
ASTM-D3273

Perforations:
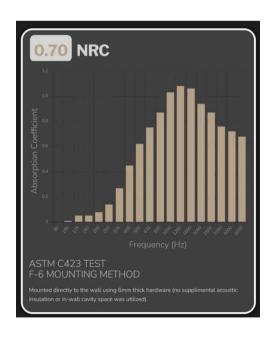Surface Diameter: 0.5mm
Passage Diameter: 0.5 mm
Passage Depth: 2.0 mm
Pattern: Square Diamond

LEED Credits:
MRc4 Recycled Content 21% Pre-consumer
BDCv4 EQ Acoustic Performance
Material Ingredient Disclosure- option1

LR-19 Series

LR-19

0.70 NRC

ASTM C423 TEST
F-6 MOUNTING METHOD

Mounted directly to the wall using 6mm thick hardware (no supplemental acoustic insulation or in-wall cavity space was utilized).

Maximum Size:
60" x 144" lengths
(over 120" are subject to material availability)

Thickness:
3/4" (19mm)

Weight:
¼ lbs/sq. ft. (6.84 kg/sq. m)
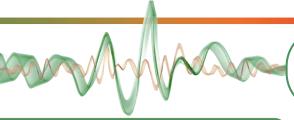
CAC:
n/a

Planet-Approved. Engineered to Last.™

Endure Acoustics

Endure Materials

Quiet Core
Acoustic Solutions

Core:
Recomposed High Density Rock Fiber

Face:
12 Wood Species
Custom Paint/Sheen options

Finish Options:
Custom Stain
Clear or Tinted Catalyzed Lacquer
Clear or Tinted Matte/Flat Varnish

Fire Performance:
Class A Fire Rating (ASTM-E-84)

Antimicrobial:
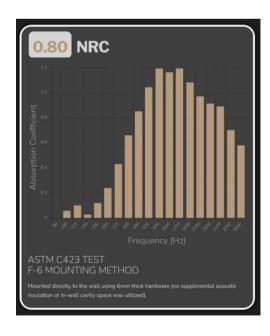Excellent. 10/10 for resistance to mold growth.
ASTM-D3273

Perforations:
Surface Diameter: 0.5mm
Passage Diameter: 0.5 mm
Passage Depth: 2.0 mm
Pattern: Square Diamond

LEED Credits:
MRc4 Recycled Content 21% Pre-consumer
BDCv4 EQ Acoustic Performance
Material Ingredient Disclosure- option1

LR-25

LR-25 Series

Maximum Size:
60" x 144" lengths
(over 120" are subject to material availability)
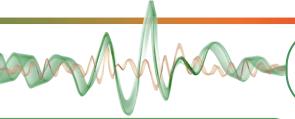
Thickness:
1" (25mm)

Weight:
1.8 lbs/sq. ft. (8.79 kg/sq. m)

CAC:
39 ASTM-E1414

Planet-Approved. Engineered to Last.™

Endure Acoustics

Endure Materials

Quiet Core
Acoustic Solutions

LR Series Specifications

Core:
Recomposed High Density Rock Fiber

Face:
12 Wood Species
Custom Paint/Sheen options

Finish Options:
Custom Stain
Clear or Tinted Catalyzed Lacquer
Clear or Tinted Matte/Flat Varnish

Fire Performance:
Class A Fire Rating (ASTM-E-84)

Antimicrobial:
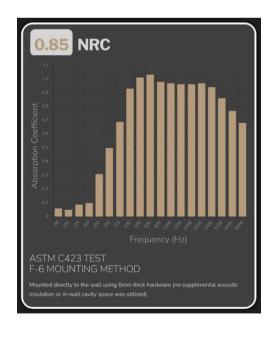Excellent. 10/10 for resistance to mold growth.
ASTM-D3273

Perforations:
Surface Diameter: 0.5mm
Passage Diameter: 0.5 mm
Passage Depth: 2.0 mm
Pattern: Square Diamond

LEED Credits:
MRc4 Recycled Content 21% Pre-consumer
BDCv4 EQ Acoustic Performance
Material Ingredient Disclosure- option1

LR-38

LR-38 Series

Maximum Size:
60" x 144" lengths
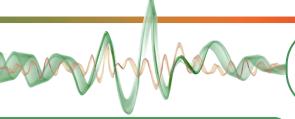(over 120" are subject to material availability)

Thickness:
1 1/2" (38mm)

Weight:
2.2 lbs/sq. ft. (10.74 kg/sq. m)

CAC:
39+ ASTM-E1414

Planet-Approved. Engineered to Last.™

Endure Acoustics

Quiet Core Acoustic Solutions

LR Series Specifications

Core:
Recomposed High Density Rock Fiber

Face:
12 Wood Species
Custom Paint/Sheen options

Finish Options:
Custom Stain
Clear or Tinted Catalyzed Lacquer
Clear or Tinted Matte/Flat Varnish

Fire Performance:
Class A Fire Rating (ASTM-E-84)

Antimicrobial:
Excellent. 10/10 for resistance to mold growth.
ASTM-D3273

Perforations:
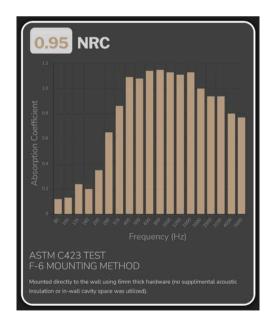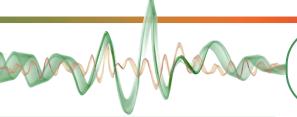Surface Diameter: 0.5mm
Passage Diameter: 0.5 mm
Passage Depth: 2.0 mm
Pattern: Square Diamond

LEED Credits:
MRc4 Recycled Content 21% Pre-consumer
BDCv4 EQ Acoustic Performance
Material Ingredient Disclosure- option1

LR-51 Series

LR-51

0.95 NRC

Absorption Coefficient / Frequency (Hz)

ASTM C423 TEST
F-6 MOUNTING METHOD

Mounted directly to the wall using 6mm thick hardware (no supplmental acoustic insulation or in-wall cavity space was utilized).

Maximum Size:
60" x 144" lengths
(over 120" are subject to material availability)

Thickness:
2" (51mm)

Weight:
2.6 lbs/sq. ft. (12.69 kg/sq. m)

CAC:
39+ ASTM-E1414

Planet-Approved. Engineered to Last.™

Endure Acoustics

Endure Materials

Quiet Core Acoustic Solutions

RF Series Specifications

Core:
Recomposed High Density Rock Fiber

Face:
12 Wood Species
Custom Paint/Sheen options

Finish Options:
Custom Stain
Clear or Tinted Catalyzed Lacquer
Clear or Tinted Matte/Flat Varnish

Fire Performance:
Class A Fire Rating (ASTM-E-84)

Antimicrobial:
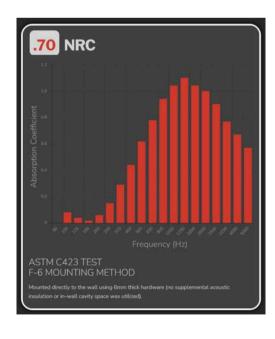Excellent. 10/10 for resistance to mold growth.
ASTM-D3273

Perforations:
Surface Diameter: 0.5mm
Passage Diameter: 0.5 mm
Passage Depth: 2.0 mm
Pattern: Square Diamond

LEED Credits:
MRc4 Recycled Content 21% Pre-consumer
BDCv4 EQ Acoustic Performance
Material Ingredient Disclosure- option1

RF-19 Series

RF-19

.70 NRC

Absorption Coefficient vs Frequency (Hz)

ASTM C423 TEST
F-6 MOUNTING METHOD

Mounted directly to the wall using 6mm thick hardware (no supplemental acoustic insulation or in-wall cavity space was utilized).

Maximum Size:
60" x 144" lengths

Thickness:
3/4" (19mm)

Weight:
21.7 lbs/sq. ft. (8.3 kg/sq. m)

CAC:
43 ASTM-E1414

Endure Acoustics

Quiet Core Acoustic Solutions

RF Series Specifications

Core:
Recomposed High Density Rock Fiber

Face:
12 Wood Species
Custom Paint/Sheen options

Finish Options:
Custom Stain
Clear or Tinted Catalyzed Lacquer
Clear or Tinted Matte/Flat Varnish

Fire Performance:
Class A Fire Rating (ASTM-E-84)

Antimicrobial:
Excellent. 10/10 for resistance to mold growth.
ASTM-D3273

Perforations:
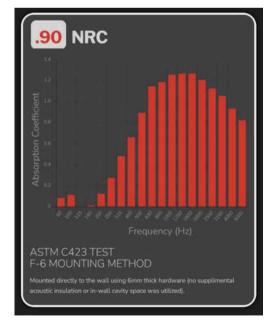Surface Diameter: 0.5mm
Passage Diameter: 0.5 mm
Passage Depth: 2.0 mm
Pattern: Square Diamond

LEED Credits:
MRc4 Recycled Content 21% Pre-consumer
BDCv4 EQ Acoustic Performance
Material Ingredient Disclosure- option1

RF-25

RF-25 Series

.90 NRC

ASTM C423 TEST
F-6 MOUNTING METHOD

Mounted directly to the wall using 6mm thick hardware (no supplemental acoustic insulation or in-wall cavity space was utilized).

Maximum Size:
60″ x 144″ lengths

Thickness:
1″ (25mm)

Weight:
1.9 lbs/sq. ft. (9.28 kg/sq. m)

CAC:
46 ASTM-E1414

STC:
37 ASTM-E336

Planet-Approved. Engineered to Last.™

Endure Acoustics

Endure Materials

Quiet Core Acoustic Solutions

RF Series Specifications

Core:
Recomposed High Density Rock Fiber

Face:
12 Wood Species
Custom Paint/Sheen options

Finish Options:
Custom Stain
Clear or Tinted Catalyzed Lacquer
Clear or Tinted Matte/Flat Varnish

Fire Performance:
Class A Fire Rating (ASTM-E-84)

Antimicrobial:
Excellent. 10/10 for resistance to mold growth.
ASTM-D3273

Perforations:
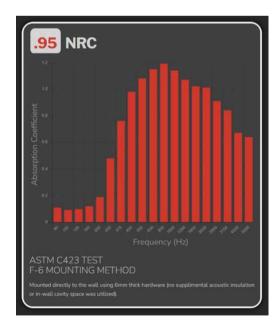Surface Diameter: 0.5mm
Passage Diameter: 0.5 mm
Passage Depth: 2.0 mm
Pattern: Square Diamond

LEED Credits:
MRc4 Recycled Content 21% Pre-consumer
BDCv4 EQ Acoustic Performance
Material Ingredient Disclosure- option1

RF-38 Series

RF-38

.95 NRC

ASTM C423 TEST
F-6 MOUNTING METHOD

Mounted directly to the wall using 6mm thick hardware (no supplemental acoustic insulation or in-wall cavity space was utilized).

Maximum Size:
60″ x 144″ lengths

Thickness:
1 1/2″ (38mm)

Weight:
2.2 lbs/sq. ft. (10.74 kg/sq. m)

CAC:
46+ ASTM-E1414

STC:
37+ ASTM-E336

Planet-Approved. Engineered to Last.™

endurematerials.com   866-631-2221

Endure Materials

Quiet Core
Acoustic Solutions

RF Series Specifications

Core:
Recomposed High Density Rock Fiber

Face:
12 Wood Species
Custom Paint/Sheen options

Finish Options:
Custom Stain
Clear or Tinted Catalyzed Lacquer
Clear or Tinted Matte/Flat Varnish

Fire Performance:
Class A Fire Rating (ASTM-E-84)

Antimicrobial:
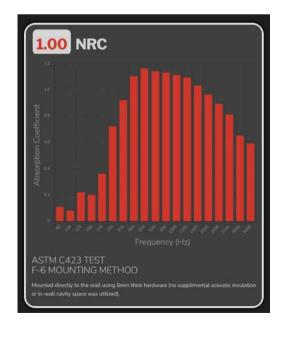Excellent. 10/10 for resistance to mold growth.
ASTM-D3273

Perforations:
Surface Diameter: 0.5mm
Passage Diameter: 0.5 mm
Passage Depth: 2.0 mm
Pattern: Square Diamond

LEED Credits:
MRc4 Recycled Content 21% Pre-consumer
BDCv4 EQ Acoustic Performance
Material Ingredient Disclosure- option1

RF-51 Series

RF-51

1.00 NRC

Absorption Coefficient / Frequency (Hz)

ASTM C423 TEST
F-6 MOUNTING METHOD

Mounted directly to the wall using 6mm thick hardware (no supplemental acoustic insulation or in-wall cavity space was utilized).

Maximum Size:
60″ x 144″ lengths

Thickness:
2″ (51mm)

Weight:
2.7 lbs/sq. ft. (13.18 kg/sq. m)

CAC:
46+ ASTM-E1414

STC:
37+ ASTM-E336

Planet-Approved. Engineered to Last.™