

Rockfon® Mono® Acoustic TE



(Bare panel NRC 1.00)

The Seamless Integration of Expression ...

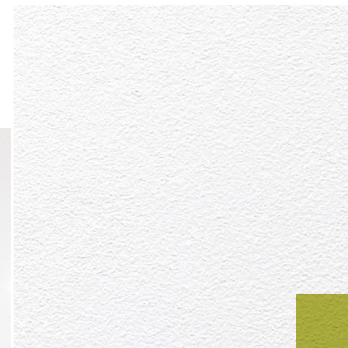
- Fits any project requirement, including seamless spans, ceiling islands and walls
- Extremely bright white, 87% light reflection reduces the need for artificial lighting

+ Performance

- Exceptional acoustical performance (up to NRC 0.95 for installed systems)
- Installs like gypsum with similar design considerations such as access panels
- Certified Rockfon Mono Acoustic installers provide quality and peace of mind
- Uses Rockfon Chicago Metallic® drywall grid for ease of installation and Heavy Duty support

Applications

- Gallery
- School
- Library
- Museum
- Worship
- Transportation
- Retail
- Leisure
- Office



Rockfon ceiling tiles are manufactured using advanced stone wool technology. All stone wool tiles benefit from:



**High Acoustic
Absorption**



**Fire Performance -
Class A**

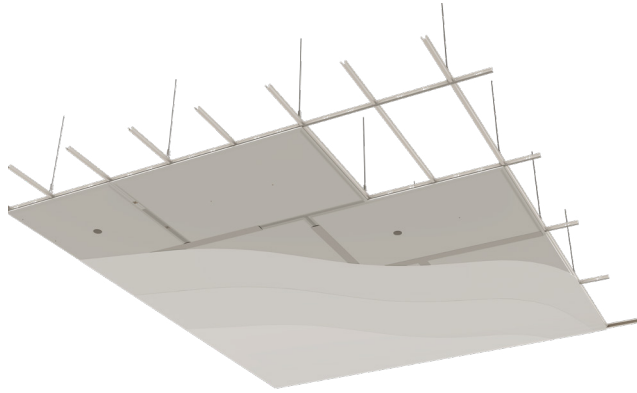


**Moisture and
Sag Resistance**



**Smooth, Modern
Aesthetics**

Rockfon® Mono® Acoustic TE



Rockfon Mono Acoustic TE panels can be attached to flat horizontal to vertical framing.



Materials and Resources (MR)

Waste Management Planning ✓
 Interiors Life Cycle Impact Reduction ✓
 Environmental Product Declarations ✓
 Sourcing of Raw Materials ✓
 Material Ingredients ✓
 Waste Management ✓

Indoor Environmental Quality (EQ)

Interior Lighting ✓
 Acoustic Performance ✓

Recycled Content: up to 48%

Performance Properties:

| | |
|-----------------------|---|
| Classification | ASTM E 1264 - Standard Classification for Acoustical Ceiling Products; Type IV, Form 3, Pattern G |
| Base Material | Stone Wool Core with White Non-woven Front Fleece |
| Joints | Rockfon Joint Tape and Joint Compound - Site Applied |
| Surface | White Rockfon Mono Acoustic Elegant Render - Site Applied |
| Warranty | 15-Year Limited Component Warranty |

Standard Panels

| | | | | | | | | | | | Packaging | | |
|--------------------------------|-------------------|-------------|------------------|--|-----|------------|-------------------|------------------------------------|------------|----------------------------|---------------------|-----------------|------------|
| Panel Type | Edge | Item Number | Panel Size (mm) | NRC | AC | Fire Class | Light Reflectance | Sag Resistance (Relative Humidity) | Low VOC | Mold and Mildew Resistance | Packaging (Pcs/Ctn) | Weight (Kg/Ctn) | Ctn/Pallet |
| Rockfon Mono Acoustic TE Panel | | | | | | | | | | | | | |
| | TE (Tapered Edge) | 308086 | 1200 x 1800 x 40 | 1.00 Bare Panel / 0.95 Finished System | 190 | A | 0.87 | Up to 100% | Greenguard | 10 | 4 | 47 | 6 |

| | | | | Packaging | |
|--------------------------------|----------------|-----------------------------------|------------------|------------------|-----------------|
| Other Mono Acoustic Components | Product Number | Component | Finish | Quantity | Weight (Kg/Ctn) |
| | 248229 | Mono Acoustic Mounting Bracket | Galvanized Steel | 150 Pcs/Ctn | 1.8 |
| | 89866 | Mono Acoustic Washer | Galvanized Steel | 250 Pcs Ctn | 0.5 |
| | 179322 | Mono Acoustic Joint Tape | Glass Fiber | (6) 150 Lm Rolls | 2 |
| | 309381 | Mono Acoustic Joint Compound | Powder | 15 Kg Bag | 15 |
| | 309992 | Mono Acoustic Elegant Render | Paint | 15 Kg Bucket | 15 |
| | 178116 | Mono Inspection Hatch 400x400x400 | Unfinished | 1 Pc | 2.7 |
| | 178117 | Mono Inspection Hatch 600x600x40 | Unfinished | 1 Pc | 3.6 |
| | 177213 | Mono Inspection Hatch Ø700x40 | Unfinished | 4 Pcs | 4 |

Fasteners by others

Chicago Metallic® Drywall Suspension

LEED® v4.1 Highlights

Materials and Resources (MR)

Waste Management Planning ✓
 Interiors Life Cycle Impact Reduction ✓
 Environmental Product Declarations ✓
 Sourcing of Raw Materials ✓
 Material Ingredients ✓





Indoor Environmental Quality (EQ)

Low-Emitting Materials ✓
 Interior Lighting ✓

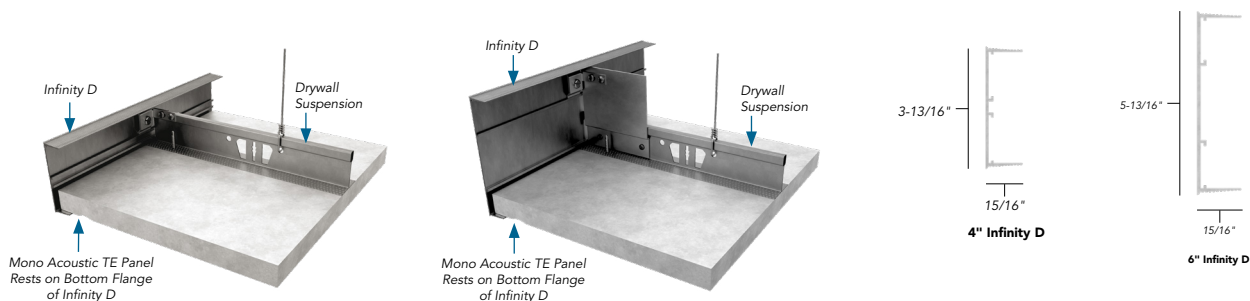
Recycled Content: up to 30%

Performance Properties:

| | |
|----------------------------------|---|
| Base Material | Hot-Dip Galvanized Steel Body (HDG-40) |
| Capping | Knurled Face Hot-Dip Galvanized Steel Capping (HDG-40) |
| End Details | Main Runners: Bayonet-End Coupling Cross Channel: Hook-End |
| Structural Classification | Heavy Duty per ASTM C635 |
| Flame Spread Rating | Class A per ASTM E84 |
| Warranty | 40-Year Suspension System Warranty |
| Recycled Content | 30% |

| | | | | | | | | Packaging | | |
|---|----------------|------------------------------|-------------------------------------|--------------------|----------|---------------------------------------|------------------|-----------|---------|-----------------|
| Detail | Product Number | Style | Length x Height x Width | Grid Coupling Type | Slotting | Structural Classification (ASTM C635) | Recycled Content | Lm/Ctn | Pcs/Ctn | Weight (kg/Ctn) |
| Chicago Metallic Drywall Grid | | | | | | | | | | |
|  | 200640.00C | Main Runner - Knurled Face | 3600mm x 38mm x 35mm | Bayonet-End | 200mm | HD | 30% | 72 | 20 | 39 |
|  | 150634.00C | Cross Channel - Knurled Face | 1200mm x 22mm x 35mm | Hook-in | None | - | 30% | 60 | 50 | 26 |
|  | 1501450.00C | Drywall Track | 3600mm x 40mm x 25mm x 25mm Top Leg | - | None | - | 30% | 36 | 10 | 11 |
|  | AX087X500P | Wall Spring Clip | - | - | - | - | - | - | 500 | 2 |

Infinity™ D Perimeter Trim for Floating Islands and Peninsulas. Available Straight or Curved.

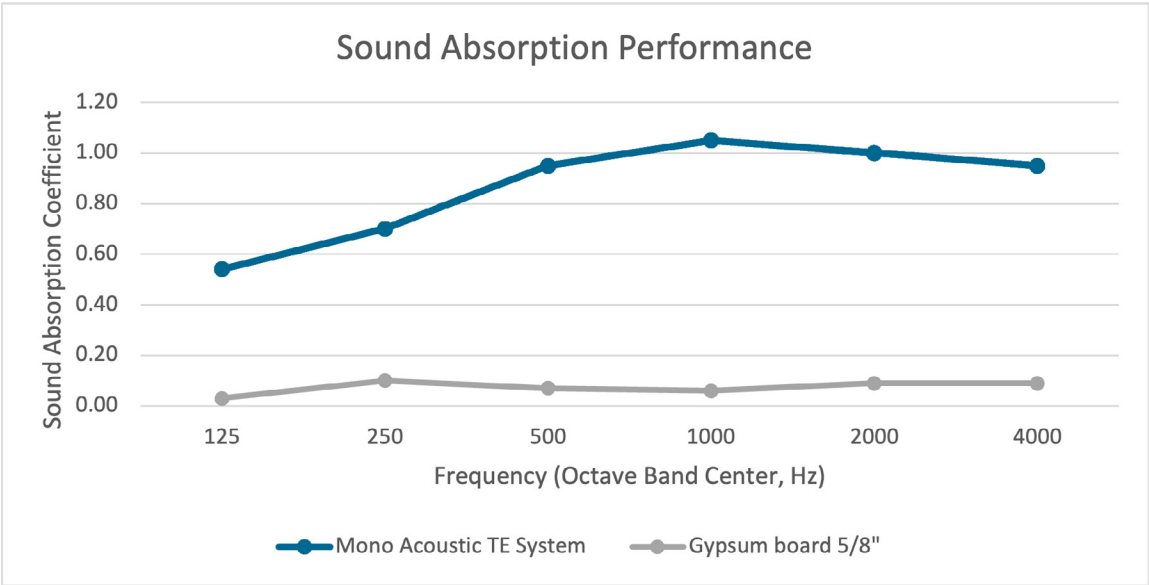


Performance

Allowable Load per ASTM C635 Test Data based on 1/360 Span Deflection

| Allowable Load (kg/m2) | Product Number | Spacing | Hanger Spacing | Allowable Load Per ASTM C635 |
|------------------------|----------------|---------|----------------|------------------------------|
| Main Runner | 200640.00C | 1200mm | 1200mm | HD |
| Cross Channel | 1500634.00C | 600mm | - | 1.1 kg/m (8.2 lbs/ft) |

Mono Acoustic TE Sound Absorption Performance



Rockfon Mono Acoustic offers the seamless visual appearance of gypsum with the addition of excellent sound absorption.

Mono Acoustic TE Sound Absorption Testing in accordance with ASTM C423 - E-Mount

| Frequency (Octave Band Center, Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC | SAA |
|------------------------------------|------|------|------|------|------|------|------|------|
| Mono Acoustic TE System | 0.54 | 0.70 | 0.95 | 1.05 | 1.00 | 0.95 | 0.95 | 0.92 |

Mono Acoustic system performance includes Mono Acoustic TE panels, Mono Acoustic joint filler and Mono Acoustic Elegant Render



Rockfon® Mono® Acoustic TE Properties



Fire Performance

Surface burning characteristics:
UL 723 (ASTM E1264/ASTM E84): Class A
CAN/ULC S102 Flame Spread Index: 10



Sustainability

Carbon footprint 5.06 kg of CO2 eq.
(cradle to gate based on EPD)
GREENGUARD
Environmental Product Declaration



Visual Appearance

L value: 94.5
The whiteness (L value) of the product is tested in
accordance with ISO 7724 and measured on a scale
from 1 (black) to 100 (white)



Light Reflection and Light Diffusion

87% light reflection (Elegant Render)
>99% Light diffusion (Elegant Render)



Mold and Mildew Resistance

ASTM D3273: 10
(No growth of mold or fungus)



Environment

Fully recyclable stonewool
29% to 64% recycled content according
to ISO 14021



Indoor Environment

GREENGUARD Certification per UL 2821



Humidity and Sag Resistance

Up to 100% RH
No visible deflection in high humidity



Sound Absorption

1.00 NRC (bare panel) tested and UL Listed/0.95 NRC
(system) tested Noise Reduction Coefficient per
ASTM C423



Cleaning

Vacuum



Warranty

15-Year Limited Product Warranty
See rockfon.com

Mono Acoustic panels are finished on-site with Mono Acoustic joint compound, Mono Acoustic joint tape and Mono Acoustic Elegant Render spray-applied acoustical surface treatment.

Rockfon® Mono® Acoustic should only be installed, maintained and repaired by certified Rockfon Mono Acoustic Installers. Please contact Rockfon customer service for contact details of your nearest certified installer.

Do not create negative air pressure in the plenum space as this creates air movement through the face of the ceiling, causing a filter effect on the panel surface, resulting in an uneven visual appearance.

For return air plenums, or where there is a negative air pressure in the plenum space, use the Mono Acoustic TE Direct system with panels adhered onto an existing solid surface such as gypsum panels.

Mono Acoustic systems are suitable for interior ceiling and wall applications not subject to impact.

If the finished installation is repainted, a reduction in sound absorption should be anticipated.

Refer to rockfon.com for design, components and installation recommendations.



063023



CERTIFIED Environmental
Product Declaration

2023 | Subject to alterations in range and product technology
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