

# 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**

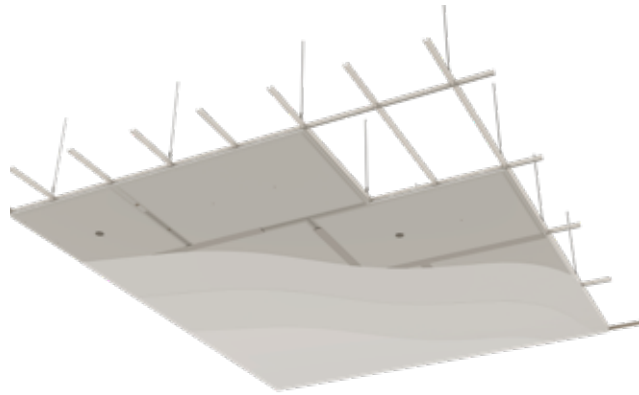


**Moisture and Sag Resistance**



**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:

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

### Standard Panels

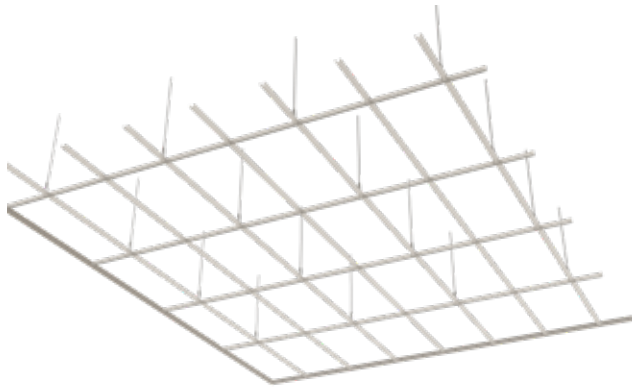


Panel Type	Edge	Item Number	Panel Size (mm)	NRC	AC	Fire Class	Light Reflectance	Sag Resistance (Relative Humidity)	Low VOC	Mold and Mildew Resistance	Packaging		
											Packaging (Pcs/Ctn)	Weight (Kg/Ctn)	Ctn/Pallet
Rockfon Mono Acoustic TE Panel													
	TE (Tapered Edge)	308086	1200 x 1800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

Other Mono Acoustic Components	Product Number	Component	Finish	Packaging	
				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



### 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 ✓

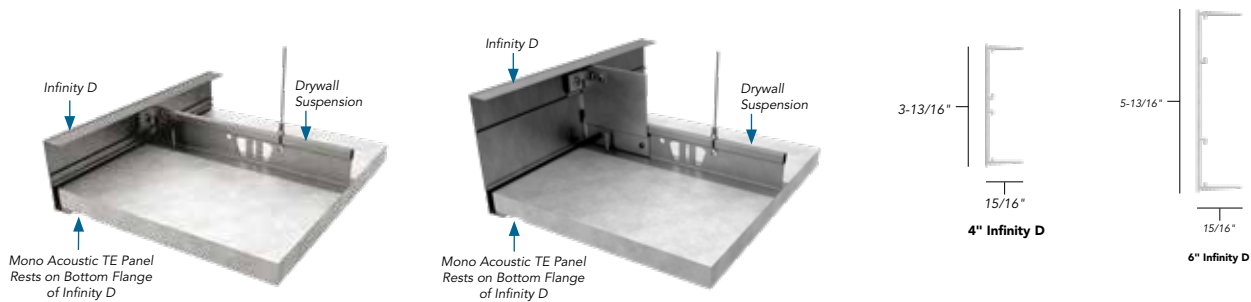
**Recycled Content:** up to 30%

### Performance Properties:

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

Detail	Product Number	Style	Length x Height x Width	Grid Coupling Type	Slotting	Structural Classification (ASTM C635)	Recycled Content	Packaging		
								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.



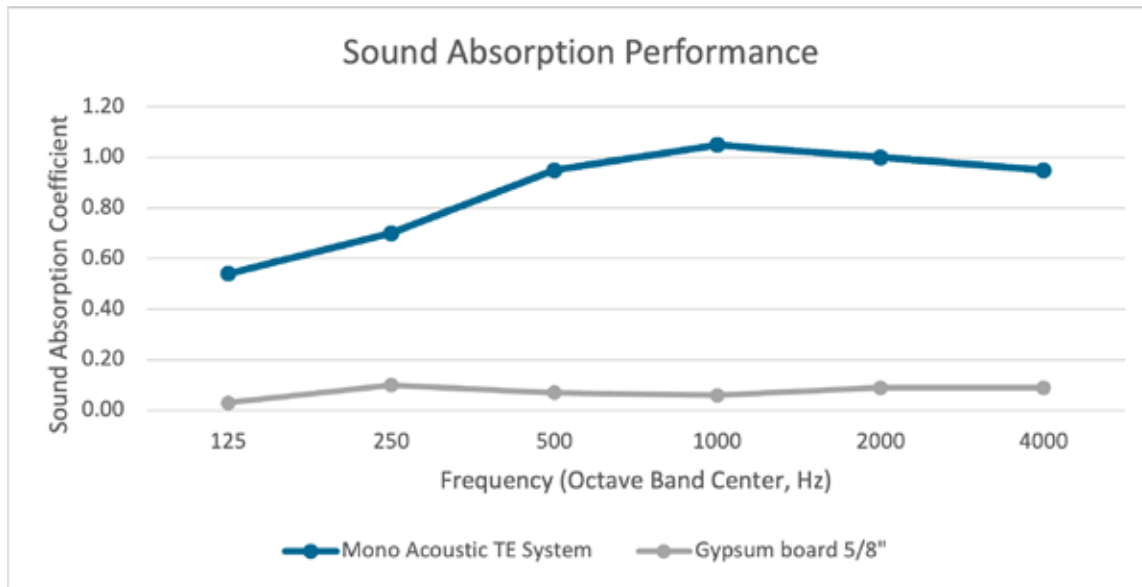
# Performance

## Allowable Load per ASTM C635

### Test Data based on 1/360 Span Deflection

Allowable Load (kg/m <sup>2</sup> )	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.



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CERTIFIED Environmental Product Declaration