

# Rockfon® Mono® Acoustic TE Direct



(Bare panel NRC 0.95)

## The Seamless Integration of Expression ...

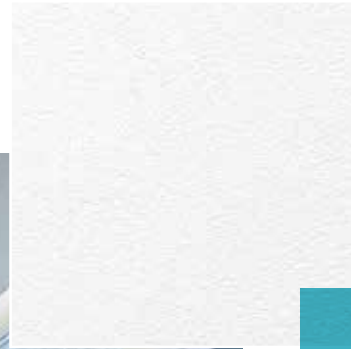
- Presents a continuous, monolithic appearance for undisturbed, artistic designs
- Fits any project requirement, including seamless spans, ceiling islands and walls
- Extremely bright white, 87% light reflection reduces the need for artificial lighting

## + Performance

- Exceptional acoustical performance (up to NRC 0.90 for installed systems)
- Suitable for use in applications where there is negative air pressure in the plenum space
- Panels adhered to new or existing smooth, flat interior surfaces such as gypsum or plaster
- Certified Rockfon Mono Acoustic installers provide quality and peace of mind
- Suspend new gypsum ceiling substrates using Rockfon Chicago Metallic® drywall grid

## 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**

**Materials and Resources (MR)**

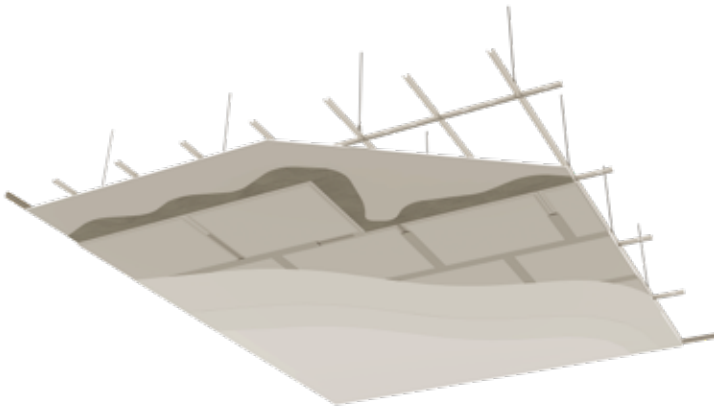
- Waste Management Planning -
- Interiors Life Cycle Impact Reduction ✓
- Environmental Product Declarations ✓
- Sourcing of Raw Materials ✓
- Material Ingredients ✓
- Waste Management -

**Indoor Environmental Quality (EQ)**

- Interior Lighting ✓
- Acoustic Performance ✓

**Recycled Content:** up to 48%

# Rockfon® Mono® Acoustic TE Direct



Rockfon Mono Acoustic TE Direct panels are installed onto existing smooth, flat wall or ceiling surfaces

**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



## Direct Panels



Panel Type	Product Number	Edge	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 Direct Panel													
	308077	TE (Tapered Edge)	900 x 1200 x 40	0.95 Bare Panel / 0.90 Finished System	-	A	0.87	Up to 100%	Greenguard	10	6	42	4

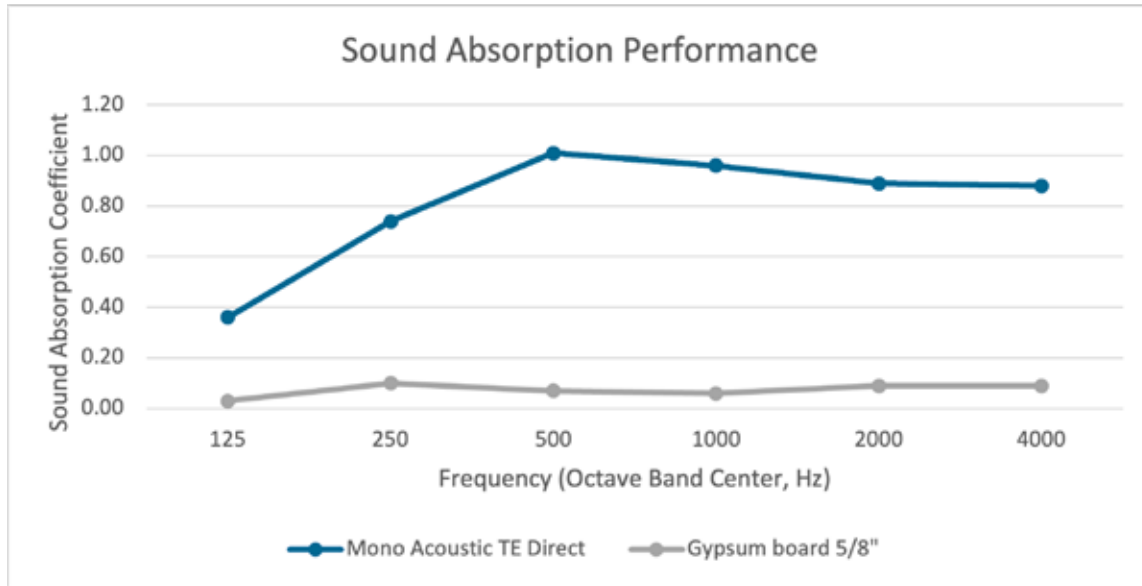
Other Mono Acoustic Components	Product Number	Component	Finish	Panel Size	Packaging	
					Quantity	Weight (Kg/Ctn)
	89866	Mono Acoustic Joint Tape	Glass Fiber	-	(6) 150 Lm Rolls	2
	309381	Mono Acoustic Joint Compound	Powder	-	15 Kg Bag	15
	309992	Mono Acoustic Elegant Render	Paint	-	15 Kg Bucket	15

Adhesive by others - Recommend Titebond GREENchoice Acoustical Ceiling Tile Adhesive for adhering Mono Acoustic TE Direct panels to existing suitable substrate.

The substrate needs to be clean, dry, homogeneous and 100% even. The substrate needs to be able to bear the load. Adhesive should be evenly distributed on the backside of the Rockfon Mono Acoustic Direct panel and should cover approximately 100% of the total panel surface.

# Performance

## Mono Acoustic TE Direct Sound Absorption Performance



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

## Mono Acoustic TE Direct 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 Direct System	0.36	0.74	1.01	0.96	0.89	0.88	0.90	0.92

Mono Acoustic system performance includes 5/8" gypsum panel, Mono Acoustic panels, adhesive, Mono Acoustic joint filler and Mono Acoustic Elegant Render.



## Rockfon® Mono® Acoustic TE Direct Properties



### Fire Performance

Surface burning characteristics:  
ASTM E1264/ASTM E84: Class A



### 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

0.95 NRC (bare panel) tested and UL Listed/0.90 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.

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