

Rockfon Mono® Acoustic TE Direct



Seamless Design, Unlimited Possibilities

- Creates a smooth, uninterrupted surface for a modern, elegant look
- Adapts to any project, including seamless ceilings, floating islands, and wall applications
- Bright white finish with 87% light reflection enhances natural lighting and reduces energy costs

+ Performance

- Delivers high sound absorption, with NRC up to 0.90
- Designed for spaces with negative air pressure in the ceiling plenum
- Can be applied to new or existing smooth, flat surfaces like gypsum or plaster
- Installed exclusively by certified Rockfon Mono Acoustic professionals for precision and reliability
- Supports suspended gypsum ceilings with Rockfon Chicago Metallic® drywall grid for added stability

Applications

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



High Acoustic Absorption



Class A Fire Performance



Moisture and Sag Resistance



Smooth, Modern Aesthetics



Mold and Mildew Resistance



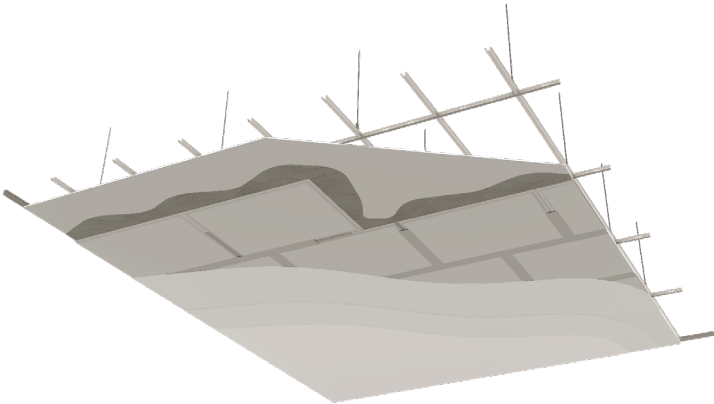
15-year Warranty



Rockfon Mono® Acoustic TE Direct



Scan to explore Rockfon Mono® Acoustic TE Direct Sustainability Certifications and Documentation




Rockfon Mono® Acoustic TE Direct installs directly onto existing smooth, flat ceiling or wall surfaces.

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

Edge Designation	Item Number	Modular Size (mm)	NRC*	Fire Class	Mold & Mildew Resistance	Sag Resistance (relative humidity)	Light Reflectance	Embodied Carbon		Low VOC	Recyclable	Packaging Information		
								Per 1m ² (kg CO ₂ - eq)	Per 1ft ² (kg CO ₂ - eq)					
TE  Tapered Edge	308077	900 x 1200 x 40	0.95 Bare Panel / 0.90 Finished System	A	✓	Up to 100%	0.87	5.06	0.470	✓	✓	6	42	4

*Rockfon® Mono® Acoustic TE Direct unfinished panel tested per ASTM C423 & E795 (E-400 mounting) and achieves 0.95 NRC. Full Rockfon® Mono® Acoustic TE Direct finished system is third-party tested and achieves 0.90 NRC when installed as per manufacturer guidelines.

Rockfon Mono® Acoustic TE Direct

Accessories

	Detail	Rockfon Product Number	Component	Finish	Panel Size	Packaging	
						Quantity	Weight (Kg/Ctn)
Mono Acoustic Accessories		89866	Mono Acoustic Joint Tape	Glass Fiber	-	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.

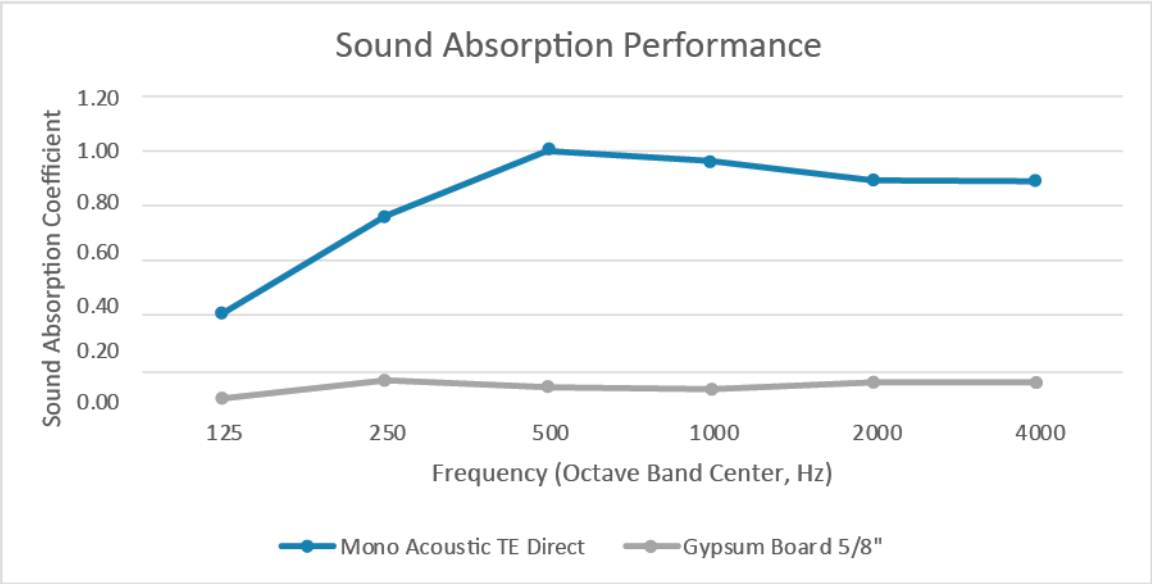
The substrate needs to be clean, dry, homogeneous and 100% even. The substrate needs to be able to bear the load. Adhesive should be evenly distributed on the backside of the Rockfon Mono Acoustic Direct panel and should cover approximately 100% of the total panel surface.



Rockfon Mono[®] Acoustic TE Direct

Acoustics

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



ASTM E1264 Classification

ASTM E1264 (2022): Type IV, Form 3, Pattern E
ASTM E1264 (2023): Type A, Form A2.3, Pattern E



Fire Performance

Rockfon Mono® Acoustic TE Direct tiles are tested for Surface Burning Characteristics to UL 723 (ASTM E84) for the US and CAN/ULC-S102 for Canada, and achieve:
Tested to US Standard Flame Spread Index: 15
UL 723 (ASTM E84): Smoke Developed Index: 5

Canadian Standard Flame Spread Index: 0
CAN/ULC S102: Smoke Developed Index: 5



Mold and Mildew Resistance

Stone wool is inherently resistant to mold and mildew without added antimicrobials. Both, tile surface and substrate, are tested to:

- ✓ ASTM D3273 (Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings)
- ✓ ASTM C1338 (Standard Test Method for Determining Fungi Growth Resistance of Insulation Materials and Facings)



Humidity Resistance

Stone wool ceiling tiles are inherently humidity resistant and are tested to ASTM C367 (Standard Test Methods for Strength Properties of Prefabricated Architectural Acoustical Tile or Lay-In Ceiling Panels) and won't sag or warp even in 100% relative humidity



Cleaning

- ✓ Vacuum



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)



Warranty

15-Year Limited Product Warranty.
See rockfon.com

Sustainability



Transparency

- ✓ Environmental Product Declaration (Product-Specific, Type III)
- ✓ Cradle to Cradle Certified



Low-Emitting Materials

UL GREENGUARD certified for low VOC (chemical) emissions and meet the California Department of Public Health (CDPH) Standard Method v1.2-2017 for offices and classroom environments



Embodied Carbon

Global Warming Potential (GWP) kg of CO₂-eq (per functional unit) from stages A1 - A3 for SQ Edge: 5.06 kg CO₂-eq (per 1m²)



Rockcycle - Closed Loop Recycle Program

All stone wool ceiling tiles are eligible for the Rockcycle program. Please contact rockcycle@rockfon.com for more information



Discover Rockfon Mono® Acoustic TE Direct

on Ecomedes and see how it aligns with the Common Materials Framework (CMF)

Find us on

MasterSpec®
Powered by Deltek Specpoint®

BIM/Revit objects available at:
rockfon.com/products/mono-acoustical-ceilings/
rockfon-mono-acoustic-te-direct/

Notes:

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. Only certified Rockfon Mono® Acoustic Installers should handle installation, maintenance, and repairs. Contact Rockfon customer service to find a certified installer near you.

Avoid creating negative air pressure in the ceiling space, as it can cause air to move through the panel surface, leading to an uneven look. If negative air pressure is unavoidable, use the Mono Acoustic TE Direct system, which adheres panels to a solid surface like gypsum.

Mono® Acoustic systems are designed for indoor ceilings and walls that are not exposed to impact. Repainting the finished surface may reduce sound absorption. For design, components, and installation details, visit rockfon.com.



[Rockfon.com](https://rockfon.com)

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