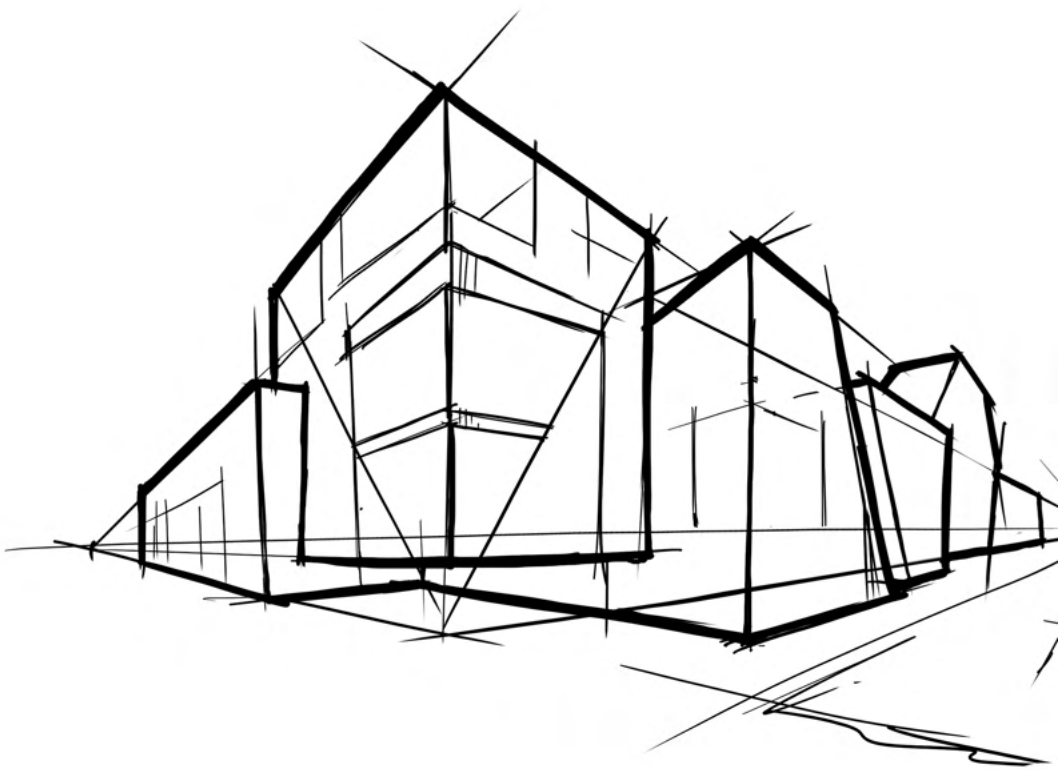
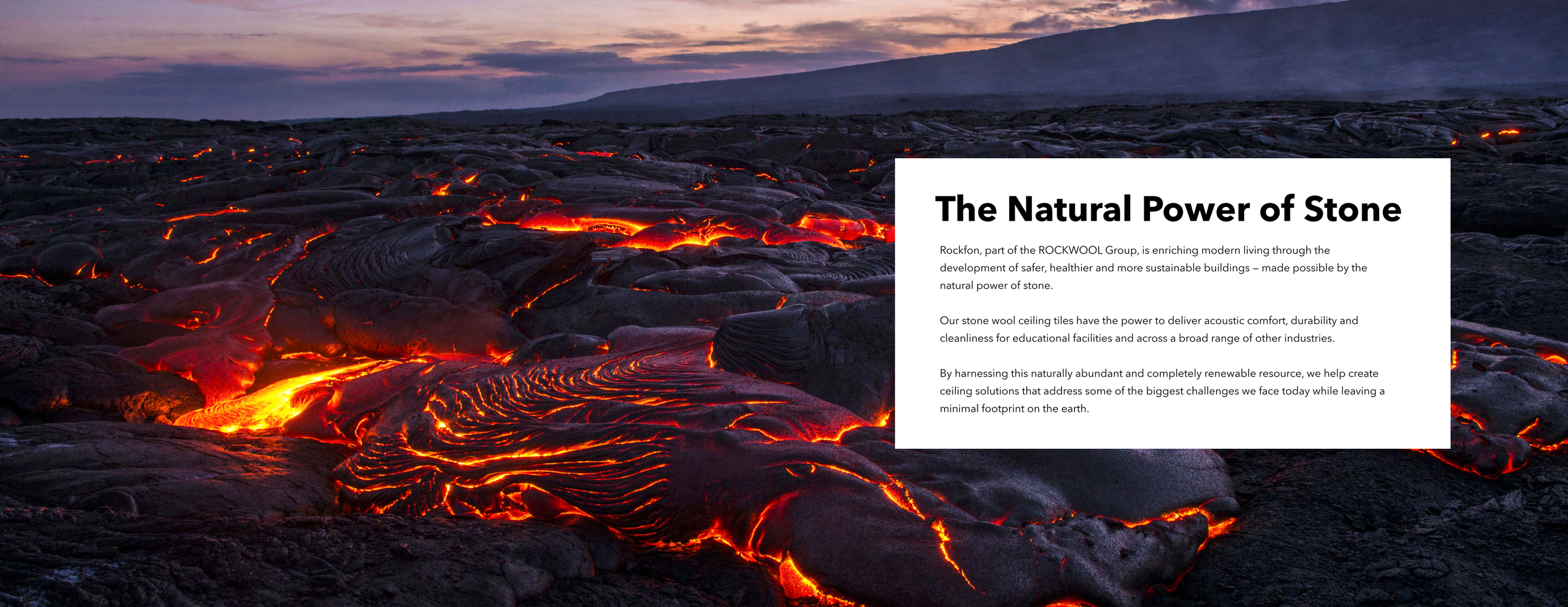
Ceiling Systems

for High-Performing Schools



Rockfon®

Part of the ROCKWOOL Group



The Natural Power of Stone

Rockfon, part of the ROCKWOOL Group, is enriching modern living through the development of safer, healthier and more sustainable buildings – made possible by the natural power of stone.

Our stone wool ceiling tiles have the power to deliver acoustic comfort, durability and cleanliness for educational facilities and across a broad range of other industries.

By harnessing this naturally abundant and completely renewable resource, we help create ceiling solutions that address some of the biggest challenges we face today while leaving a minimal footprint on the earth.

Benefits for Education Applications

From acoustics to lighting, Rockfon ceiling tiles, panels and grids transform the learning environment for students and teachers.

Rockfon stone wool ceiling systems deliver **high sound absorption**, helping to minimize disruptive sound and supporting educators' and administrators' ability to communicate. Enhanced classroom acoustics are critical because they enable students to fully understand their teachers and better concentrate on their lessons.

Rockfon's stone wool tiles are hydrophobic, **repelling water and resisting the growth of mold and mildew,** helping to boost cognitive performance by maintaining air quality and cleanliness without the addition of added antimicrobials or chemicals. Conversely, poor Indoor Air Quality (IAQ) has been regularly linked to poor concentration, irritability and absenteeism.

The reflective qualities of Rockfon ceiling systems also **improve natural daylighting**, which has been shown to significantly increase students' test scores while improving both their physical and mental health.

Utilizing volcanic basalt rock, Rockfon stone wool tiles can **resist temperatures in excess of 2100°F**, delivering a Class A Fire Performance by helping to slow the spread of smoke and flame.

Supported with the credentials your project needs

Many of today's leading design codes and guides recognize the need for improved acoustics and high sound absorption to deliver a comfortable environment suitable for the building's end-use. Rockfon stone wool ceiling tiles have you covered with a broad & flexible range of high Noise Reduction Coefficient (NRC) ceiling solutions.

What's more – they are fully supported with a comprehensive range of environmental and sustainable product declarations:

- Environmental Product Declarations (EPDs)
- Health Product Declarations (HPDs)
- Declare Labels
- UL Greenguard Gold for low-emitting materials
- All backed with our 30 Year Warranty

Learn more about creating healthy, safe and beautiful learning spaces.

Photo credit: Thomas McConnell LLC

THE STRENGTHS OF STONE

There is something truly remarkable about turning an abundant natural resource into products that enrich modern life. Rockfon leverages the strengths of stone to create uniquely useful and exciting solutions for our customers.

EDUCATE YOURSELF - GET THE FACTS

We've gathered everything you need to know about stone wool, so you can be 100% equipped to pick the right solution for your project.

Fact Sheet: Acoustics and stone wool

Stone wool is highly sound absorptive and contributes to the acoustic environment of buildings by significantly impacting our comfort, productivity and well-being.

Fact Sheet: The circularity of stone wool

By selecting sustainable and circular construction materials, we can save energy and resources, and limit waste.

Fact Sheet: The influence of moisture on stone wool

In construction projects, it's essential that we select ceiling materials that do not absorb moisture if they are exposed to water.

Fact Sheet: Durability and stone wool

A durable construction product will last the lifetime of the building, and will not require maintenance.

Fact Sheet: Stone wool ensures health and safety

Well-designed and constructed buildings contribute to good health, create comfortable surroundings, and enhance our ability to concentrate and perform key tasks.

Fact Sheet: About the fire resilience of stone wool

Non-combustible materials, such as stone wool, play a crucial role in improving the fire-resistance of buildings, ensuring a safer environment for all occupants.

Download the full fact sheets to learn more about the unique qualities of Rockfon stone wool

Case Study

Sammamish High School

Washington, USA

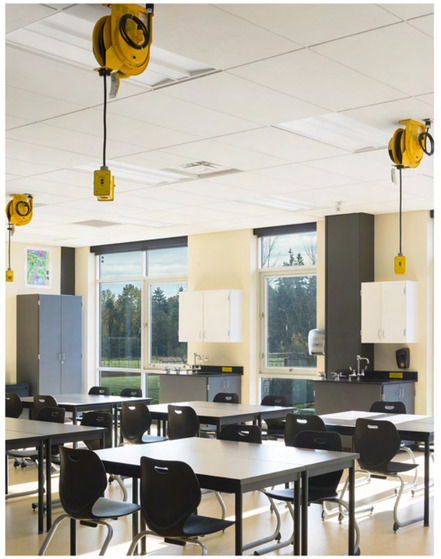
Integrus Architecture

Photo credit: Lara Swimmer

Listening and learning

Creating a good acoustic experience for classrooms, the gym, common areas, music rooms, offices and more

Sammamish High School modernized its campus over four years, adding a new three-story state-of-the-art educational facility and a new two-story athletic building. The goal was to create a high school for the future with spaces for collaboration, informal learning and socializing, including classrooms, the gym, common areas, music rooms and offices.



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Rockfon ceiling panels helped the designers create amazing, beautiful spaces and also protect the space with their unique qualities.

Rockfon district sales manager for the Pacific Northwest

Opposite: Rockfon Alaska® and Rockfon Sonar® create an optimal acoustic environment and enhance natural light in this signature gathering space.
Left: Rockfon Alaska® and Rockfon Sonar® ensure students can focus and learn during class.
Right: Even in the most hectic school environments, Rockfon Alaska® and Rockfon Sonar® bring high-performance acoustic properties.

Products in use

Rockfon Alaska® stone wool ceiling panels

Rockfon Sonar® stone wool ceiling panels

Chicago Metallic® 4000 Tempra™ 9/16-inch suspension system

Chicago Metallic® 1200 Seismic 15/16-inch suspension system

As well as providing superior sound absorption, Rockfon ceilings are non-combustible and resistant to mold, mildew and humidity. Following installation, they have delivered excellent indoor air quality, comfort and safety for students at Sammamish.

Using Rockfon ceiling panels, the designers of Sammamish High School have created beautiful spaces that serve nearly 1,000 students and improve collaboration and learning. In addition, the use of stone wool – which is 100% recyclable – has helped the school meet the Washington State Sustainable Schools Protocol.

Opposite: Rockfon Alaska® and Rockfon Sonar® support healthy acoustics in administrative spaces like this meeting room.
Right: High-performing stone wool acoustic ceiling tiles make quiet group work possible in an expansive library.

Case Study

Christine E. Lynn University Center

Florida, USA

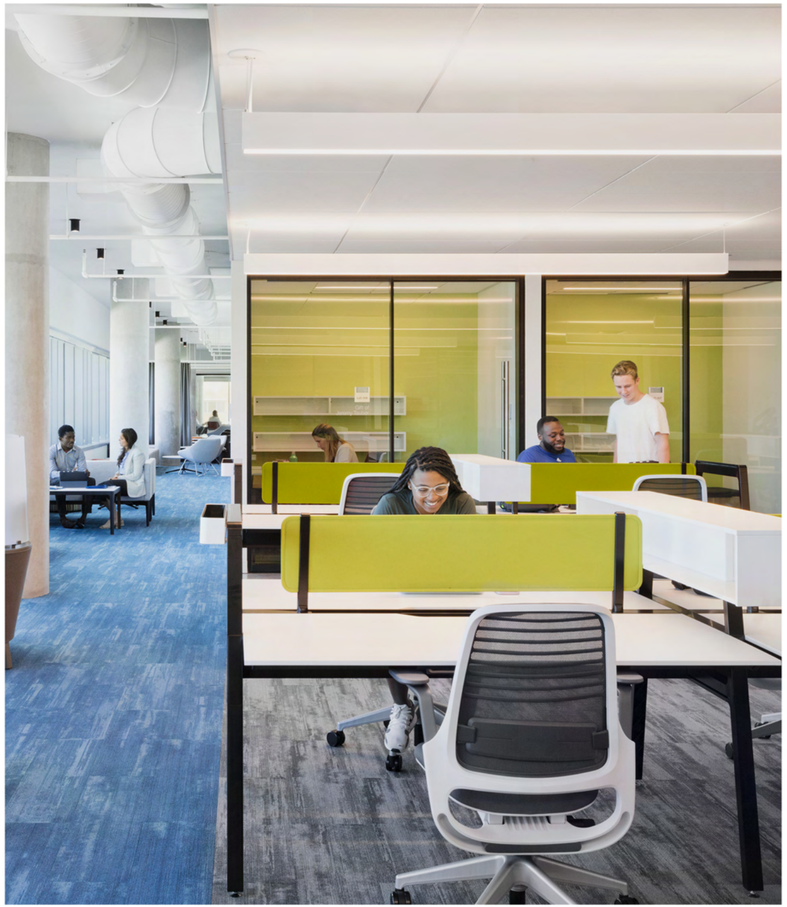
Gensler

Photo credit: Connie Zhou, courtesy of Gensler

Fostering a healthy learning environment

The recently opened Christine E. Lynn University Center provides a warm, welcoming place for students to gather within the 115-acre campus in Boca Raton, Florida. Gensler's Tampa-based team selected Rockfon's acoustic stone wool panels, Chicago Metallic® suspension system and Infinity™ perimeter for a complete ceiling solution to meet the project's aesthetic, performance and sustainable design goals.

Anticipated to be Lynn University's third LEED-certified building through the U.S. Green Building Council, the $30 million, 65,000-square-foot student center is also the largest facility project undertaken on campus to date.



> *The University Center is the heart of Lynn, a place that becomes an extension of home...merging a youthful vibe with a comfortable home-away-from-home atmosphere. The building has all the components that provide support, connectivity and entertainment.*
>
> Gensler

Opposite: This thriving student dining space supports acoustics with Rockfon® Koral™ stone wool ceiling tiles.
Left: Rockfon Sonar® and Chicago Metallic® 4000 Tempra™ promote an acoustic experience that enables collaboration and concentration.
Right: Rockfon Artic® stone wool panels and Chicago Metallic® 4000 Tempra™ are well-suited for modern, technology-rich classrooms.

Products in use

Rockfon Artic®

Rockfon Sonar®

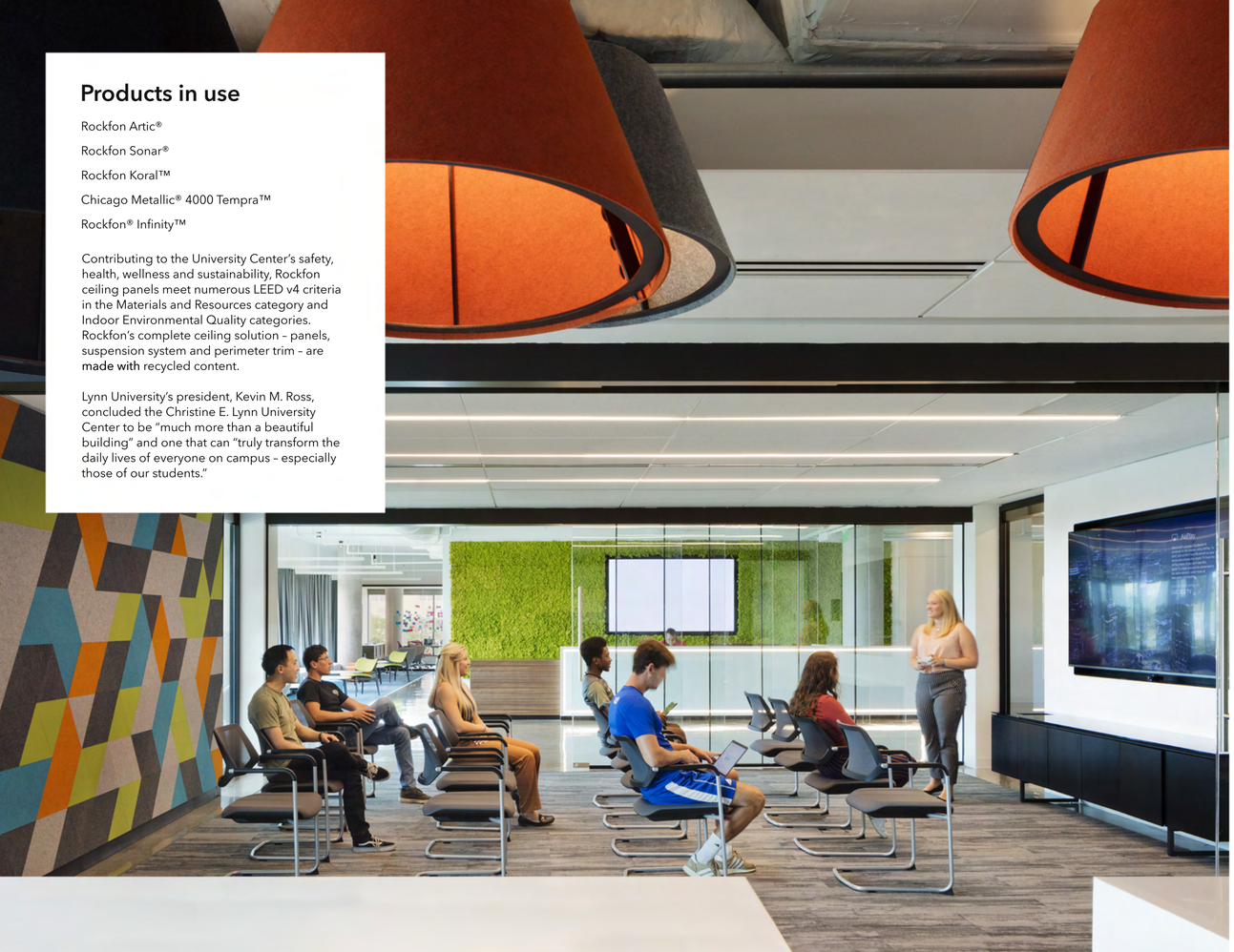
Rockfon Koral™

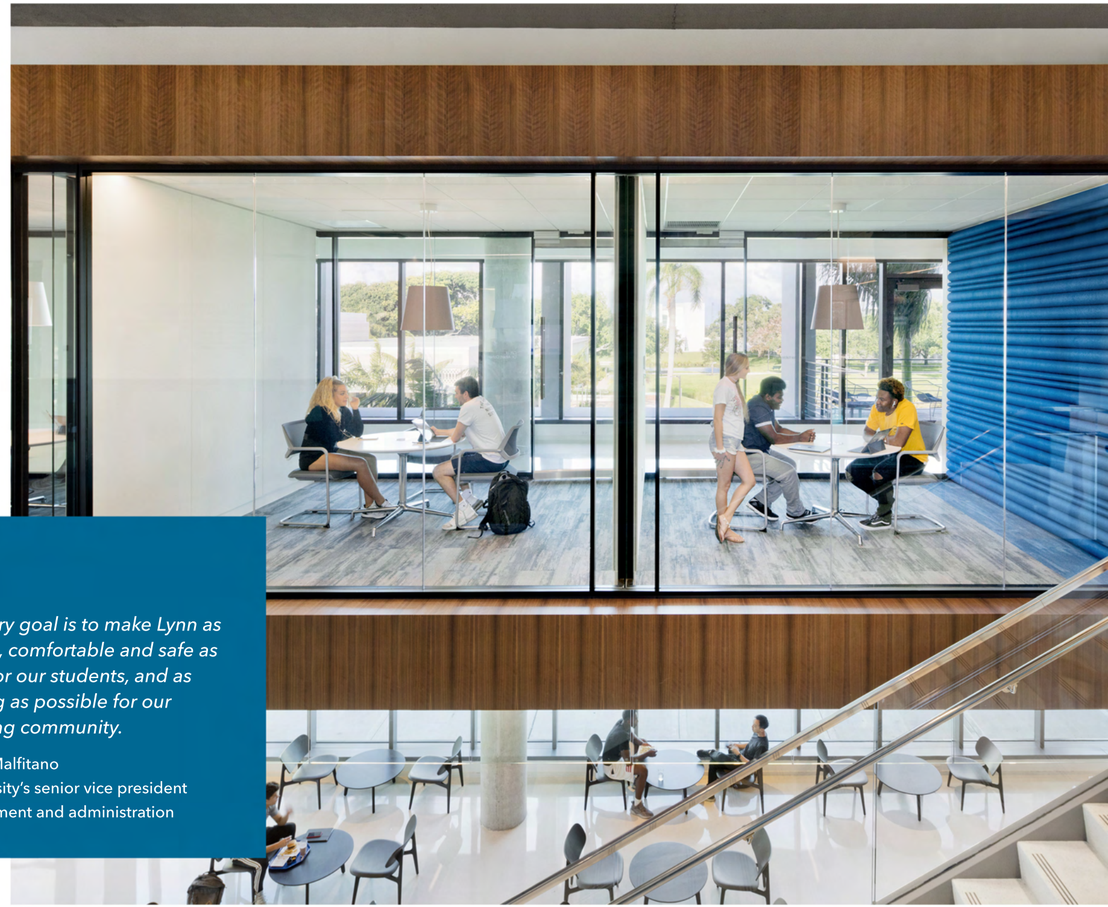
Chicago Metallic® 4000 Tempra™

Rockfon® Infinity™

Contributing to the University Center's safety, health, wellness and sustainability, Rockfon ceiling panels meet numerous LEED v4 criteria in the Materials and Resources category and Indoor Environmental Quality categories. Rockfon's complete ceiling solution – panels, suspension system and perimeter trim – are made with recycled content.

Lynn University's president, Kevin M. Ross, concluded the Christine E. Lynn University Center to be "much more than a beautiful building" and one that can "truly transform the daily lives of everyone on campus – especially those of our students."





> *Our primary goal is to make Lynn as accessible, comfortable and safe as possible for our students, and as welcoming as possible for our surrounding community.*
>
> Gregory J. Malfitano
> Lynn University's senior vice president
> for development and administration

Opposite: Rockfon Artic®, Rockfon Sonar® and Chicago Metallic® 4000 Tempra™ grid work in harmony in presentation rooms.
Right: Rockfon Artic®, Chicago Metallic® 4000 Tempra™ encourage an acoustic experience that fosters teamwork.

Case Study

University of Toronto Scarborough
Environmental Science & Chemistry Building

Toronto, Canada

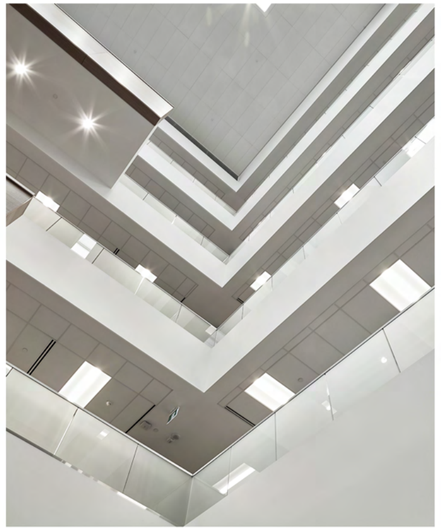
Diamond Schmitt Architects & EllisDon Corporation

Photo credit: Bochsler Creative

Environmentally-conscious campus aligns perfectly with Rockfon

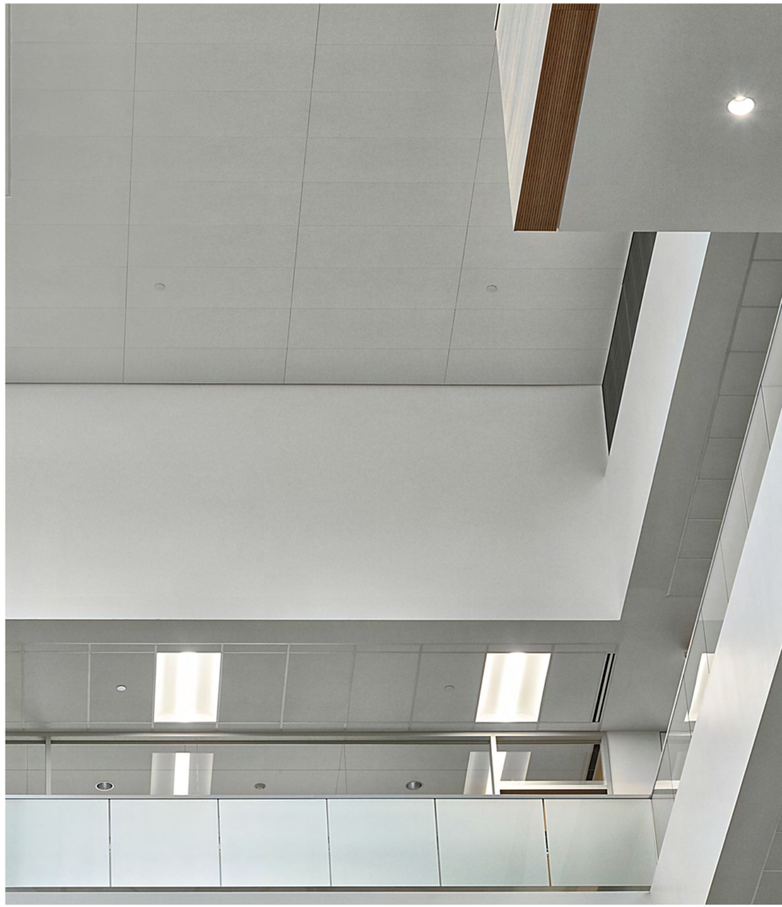
University of Toronto Scarborough Campus' (UTSC's) new $52.5 million Environmental Science & Chemistry Building (ESCB) welcomed its first students this autumn. Contributing to the building's multiple goals, Rockfon acoustic stone wool ceiling panels and suspension systems support the University's architectural vision, functional performance requirements and sustainability criteria, while completing the project within budget and on schedule.

Located on the north campus, ESCB's science and education research hub offers masters and doctoral programs addressing environmental issues, such as climate change, groundwater pollution in urban settings, restoration of degraded environmental systems and rising sea levels. With respect to the promise of its discipline, the building is designed and built to achieve LEED® Gold certification through the Canadian Green Building Council (CaGBC).



> *It was a mission of mine to achieve the highest possible level of efficiency for this type of energy-use intensive building prior to the design team and contractor coming on board.*

Hovan Stepanian
M. Sc. UTSC Facilities Management
Department project manager



Opposite: Rockfon Alaska® offers high sound absorption and is resistant to sagging, humidity, and fire due to its stone wool core.
Right: In this large atrium space, designers used Rockfon Alaska® and Rockfon Artic® solutions for acoustic performance, which is key to maintain healthy indoor air quality.

Products in use

Rockfon® Medical™ Plus

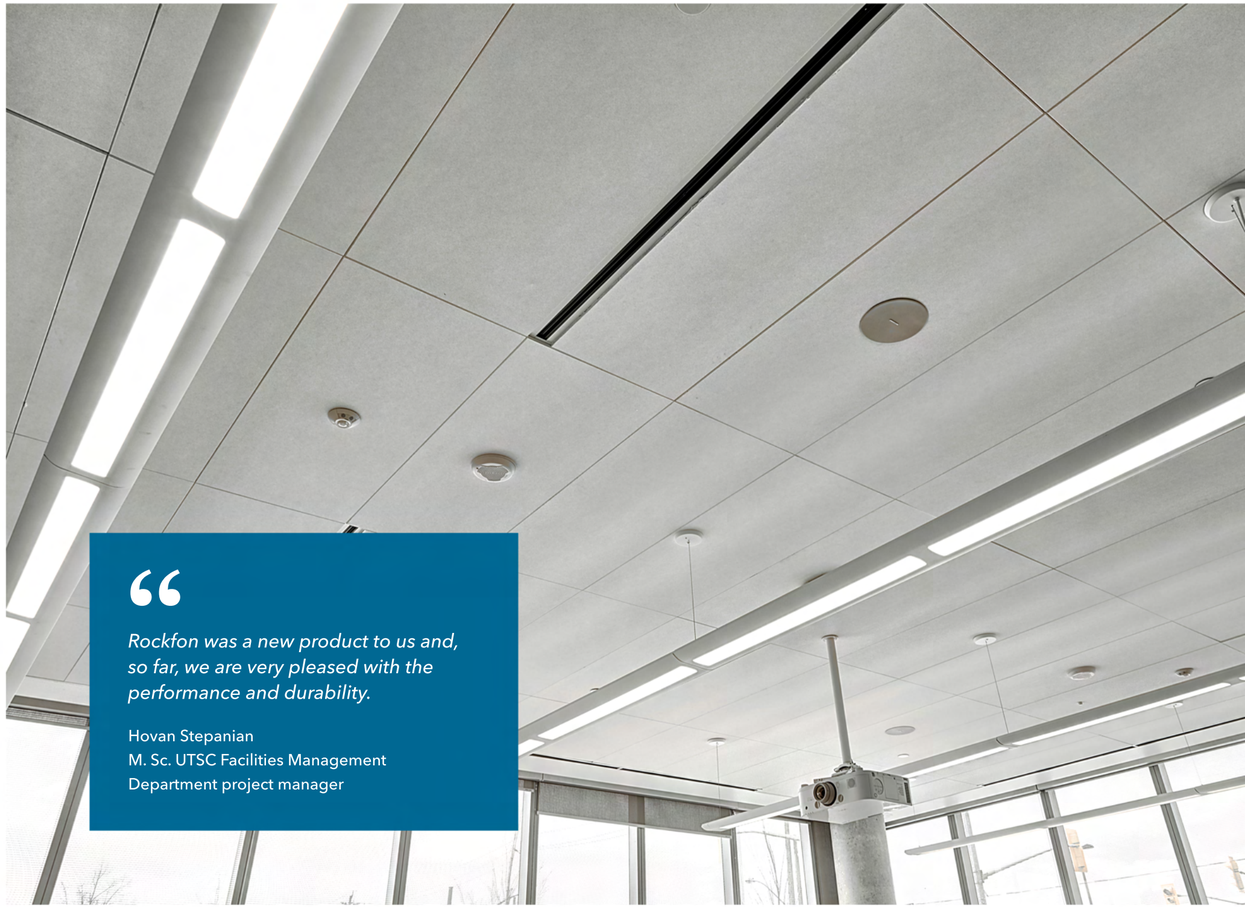
Rockfon Artic®

Rockfon Alaska®

Chicago Metallic® Barriergrid®

Chicago Metallic® 1200

Contributing to the functionality and flexibility of ESCB's lab design, Rockfon ceiling systems helped limit noise from laboratory equipment, withstand high humidity and rigorous cleaning, and provided "clean, simple and crisp" aesthetics – all while meeting the project's overall goals for sustainability, budget and schedule.



> *Rockfon was a new product to us and, so far, we are very pleased with the performance and durability.*
>
> Hovan Stepanian
> M. Sc. UTSC Facilities Management
> Department project manager

Opposite: Large spaces are an acoustical challenge. Stone wool tiles and panels provide the acoustic performance needed.
Right: Rockfon stone wool ceiling tiles and panels offer light-reflective properties to support a healthy learning environment.

2109 Education

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