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THE ISOLATOR

As we embrace the final stretch of 2024, there's a palpable sense of excitement at Kinetics Group. This season brings with it both the festive spirit and a renewed opportunity to reinforce our leadership in noise and vibration solutions, acoustic treatments, and seismic restraints.

Welcome to the November 2024 edition of our newsletter. In this issue, we reflect on our notable achievements and the impactful projects where Kinetics Group has played a vital role.

In our continuous pursuit to better serve our clients, we are expanding our product range, particularly within our Allied Products line. This now includes Fresh Air Handling Units (FAHU), Ecology Units, Air Curtains, and In-line Duct Fans, all of which align with our commitment to providing a comprehensive suite of solutions across the GCC and beyond.

As we wrap up this year, we remain dedicated to fostering confidence and reliability in every installation, helping our clients meet their goals backed by Kinetics' expertise. Thank you for your continued support and partnership as we look forward to 2025 with even greater ambition.

RESIDENTIAL TOWER, DUBAI, UAE



Kinetics Group is proud to be part of the prestigious Project in Majan, a luxurious development that truly exemplifies sophistication and tranquility. Tasked with elevating the acoustic environment of this establishment, Kinetics took on the essential task of creating an oasis of calm where residents can enjoy their surroundings in peace and privacy.

To achieve this, Kinetics installed state-of-the-art Floating Floor Systems, delivering premium sound insulation that isolates vibrations and significantly reduces structure-borne noise

In high-end developments like these, such solutions are vital for maintaining privacy and comfort within shared spaces. The floating floors effectively minimized noise transmission between floors, preserving the serenity and elegance of the living environment.

Additionally, Kinetics installed specialized floating wall barriers at the rooftop to act as acoustic shields, blocking external noise from penetrating into the property and ensuring that each living space remains undisturbed by outside sounds, allowing residents to fully relax in a tranquil atmosphere.

COMMERCIAL RESIDENCE, MINA RASID DUBAI, UAE



Entrusted with enhancing the acoustic quality of this stunning waterfront development located in Mina Rashid, Kinetics began with a comprehensive acoustic study aimed at ensuring that all apartments met the optimal noise levels required for a peaceful residential environment.

To achieve the desired acoustic standard, Kinetics implemented a series of advanced soundproofing solutions, including our advanced floating floors, floating ceilings, and acoustic wall linings.

The floating floors were installed to isolate vibrations and reduce impact noise, essential for privacy between apartments while floating ceilings were applied to minimize airborne sound and reverberation, promoting tranquility.

Additionally acoustic wall linings were deployed to further control lateral noise transmission, ensuring a quiet, private space for residents.

This project showcases Kinetics' commitment to delivering high-performance, customized acoustic solutions in luxury developments.



TECHNICAL DISCUSSION:

Kinetics KIN-ACOUSTIC SPRAY – Transforming Acoustic Spaces with Precision.

In our continuous commitment to providing top-tier noise control solutions, Kinetics Group is proud to highlight the KIN-ACOUSTIC SPRAY—an advanced solution designed to optimize the acoustic environment in any setting. Ideal for a wide range of applications, this innovative product offers exceptional sound absorption properties, seamlessly blending performance with aesthetic appeal.



FIGURE 1: IMAGE OF ACOUSTIC SPRAY CLAD CEILING

Technical Specifications

The KIN-ACOUSTIC SPRAY is crafted from eco-friendly, recycled cellulose fibers and is compatible with various substrates. Its customizable thickness and color options make it versatile for diverse architectural needs while maintaining excellent acoustic qualities.

Sound Absorption Coefficient: With layer thickness options of 25mm and 35mm, KIN-ACOUSTIC SPRAY achieves an impressive Noise Reduction Coefficient (NRC) of up to 0.9 (see figure 2 below). This means significant echo reduction and control over reverberation across a broad frequency range.

Acoustic classification is selected according to the layer thickness. Kin- Acoustic Spray can achieve weighted sound absorption coefficient up to 1.

Thickness	Absorption Coefficient						NRC
	Frequency, HZ						
	125	250	500	1000	2000	4000	
25mm	0.16	0.46	0.92	1.05	1.06	1.03	0.8
35mm	0.32	0.75	0.96	1.04	1.01	1.11	0.9

TABLE 1: THICKNESS/ABSORPTION COEFFICIENT/NRC RELATIVITY

Frequency Absorption: Tested across frequencies, the spray demonstrates high absorption coefficients, reaching 1.11 at 4000 Hz with the 35mm layer. This ensures optimal control over mid to high-frequency sounds, making it highly effective in spaces where clear, controlled sound is essential.

Eco-Conscious Choice: Made from sustainable materials, KIN-ACOUSTIC SPRAY aligns with green building practices and is safe for indoor environments.

Customizable Finish: Available in multiple textures—smooth, fine, and standard—the spray can be customized in colors according to the RAL color code, enabling integration into the existing design aesthetic of any space.



FIGURE 2: IMAGE OF DIFFERENT ACOUSTIC SPRAY TEXTURES

Applications

The KIN-ACOUSTIC SPRAY is suitable for various spaces that demand effective sound control:



FIGURE 3: APPLICATION OF ACOUSTIC SPRAY

Corporate Offices & Conference Rooms: Enhances speech intelligibility and reduces echo, fostering a more productive work environment.

Educational Institutions: Helps manage noise in classrooms and lecture halls, supporting a focused learning environment.

Theaters & Auditoriums: Ensures clarity in sound projection and reduces reverberation, essential for performances and speeches.

Hospitality Venues: Enhances comfort in lobbies, restaurants, and common areas, making spaces more welcoming and serene.

Why Choose KIN-ACOUSTIC SPRAY?

Kinetics Group's KIN-ACOUSTIC SPRAY offers an effective, customizable, and eco-friendly approach to acoustic treatment. It not only improves the auditory experience but also enhances visual appeal, allowing architects, engineers, and building managers to create harmonious environments that balance form and function.

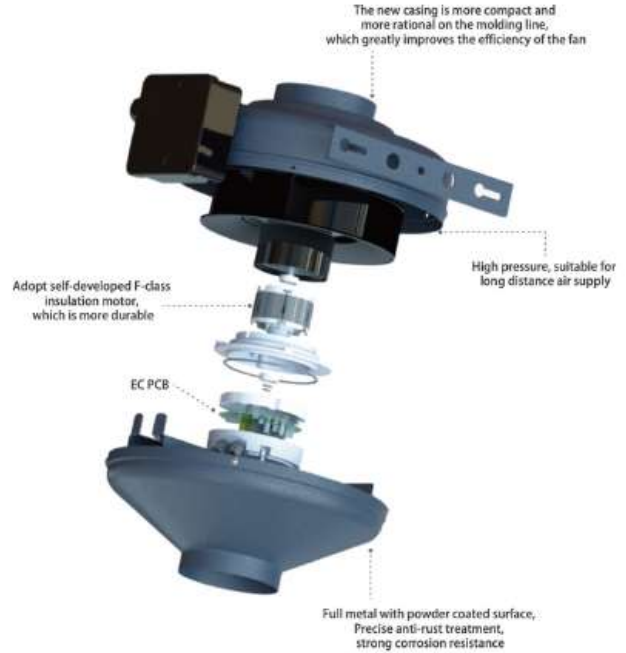
Discover the impact that KIN-ACOUSTIC SPRAY can bring to your space by reaching out to our team for tailored guidance on applications and specifications.

PRODUCT HIGHLIGHT

KINAIR Circular in-line Duct Centrifugal Fans

FEATURES

- All-metal material has strong anti-corrosion ability.
- Fan body is made of Eco-friendly material with compact design.
- Backward inclined type of Impeller design, Optimization of air duct to ensure continuous and high efficient air supply, air volume supply is adequate.
- The fan speed can be controlled by voltage or frequency variation regulators.
- IP44 protection and F-class insulation external rotor motor, which is more durable and ball bearing with long working life over 50000 hours.



Applications:

- Indoor multipurpose halls
- Theatres
- Meeting rooms



Kinetics YouTube

Honoring 16 Years of Dedication & Excellence at Kinetics Group!

In this video we shine a spotlight on one of Kinetics Group's most valuable assets—Sunil, our Senior Site Supervisor and the man behind the scenes ensuring every project is executed to perfection.

Enjoy Watching and don't forget to subscribe.

<https://www.youtube.com/watch?v=gmThsi4TwrM>



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“Kinetics exceeded expectations with their exceptional service, delivering precisely on time.”

**Siju Yohannan
(Maxpower Electromechanical Contracting LLC)**

“I applaud the Kinetics team for being supportive and responsive throughout the entire process .”

**Engineer Ajmal Abdul Majeed
(M/s Shapoorji Pallonji C)**

“The response to enquiries, submittals requests, and overall coordination was excellent from Kinetics.”

**Engineer Rithesh
(Al shafar Electromechanical LLC)**

