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THE ISOLATOR

Warm greetings, valued readers!

December is often associated with various cultural and religious celebrations around the world. It marks the end of the year and is known for holidays such as Christmas, Hanukkah, and Kwanzaa. Additionally, many people celebrate the New Year on December 31st. In the Northern Hemisphere, December brings winter solstice, the shortest day and longest night of the year.

Welcome to our vibrant community! Get ready to stay updated on the latest Project Highlights, Exciting Products introductions, and many more. Your journey with us begins now – thank you for being part of our newsletter family.

As usual, do continue to support our YouTube channel as we are also premiering our latest video for Floating Floor System and requesting you to subscribe, like and hit the notification bell to stay updated on our latest releases!



ME DO RE RESIDENTIAL TOWER, ABU DHABI



Me Do Re Residential Tower is a 41-storey residential building under development in JLT Cluster L, Jumeirah Lakes Towers, Dubai. The complex will consist of 41 floors, where 4 basement levels will be used for parking. Potential homebuyers can choose from an array of studios & 1–3 bedroom apartments of 428 sq. ft to 2,234 sq. ft.

Kinetics played a significant role in assisting a large quantity of products for this project. The solutions encompassed stress analysis and vibration isolation, involving the provision of flexible connectors, expansion joints, and vibration isolators.

DR. SULAIMAN AL-HABIB HOSPITAL, SAUDI ARABIA



Dr. Sulaiman Al-Habib Hospital in Arryan is one of the largest private hospitals in Riyadh since it is equipped with up to 360 beds. It is also accredited by the Joint Commission International accreditation (JCI) before passing the first year of its operation, and has obtained the same accreditation for the second time in 2014. The Hospital includes the largest specialized center for treatment of obesity, which has been classified as the best in relation to obesity surgeries, patients' follow up, and other services. The Hospital has recently witnessed great expansions of bed numbers to reach 360 beds; 50 beds for emergency and 118 beds for intensive care (cardiac care, children intensive care, general intensive care, and neonatal intensive care).

Kinetics collaborated with their distributor in the Kingdom of Saudi Arabia, M/s. Arwada, to provide comprehensive solutions for stress analysis, vibration isolators, inertia bases, flexible connectors, and other acoustic solutions.

Source: <https://hmg.com/en/Medical-Facilities/Pages/default.aspx?itemid=15>



TECHNICAL DISCUSSION:

ADVANCEMENTS IN HEPA FILTRATION TECHNOLOGY FOR IMPROVED AIR QUALITY

Air pollution is a major global concern for both indoor and outdoor environments, impacting human health significantly. The importance of High-Efficiency Particulate Air (HEPA) filtration is more relevant than ever due to increased pollution, the ongoing pandemic, and a growing awareness of indoor air quality. HEPA filters are designed to trap over 99.97% of particles, including dust, pollen, mold spores, pet dander, bacteria, and viruses. Long-term exposure to particulate pollution is linked to respiratory and cardiovascular diseases.

The COVID-19 pandemic emphasizes the need for indoor air quality. HEPA filtration is crucial in reducing airborne transmission, as the virus spreads through respiratory droplets. Combining HEPA filters with activated carbon filters effectively targets various pollutants, although HEPA filters cannot trap gaseous pollutants like ozone.

➤ Key Points:

1. **Relevance of HEPA Filtration:** With increasing pollution, an ongoing pandemic, and heightened awareness of indoor air quality, the importance of High-Efficiency Particulate Air (HEPA) filtration is more crucial than ever.
2. **HEPA Filter Effectiveness:** HEPA filters are meticulously designed to trap over 99.97% of particles, including dust, pollen, mold spores, pet dander, bacteria, and viruses.
3. **Combined Filtration Approach:** Combining HEPA filters with activated carbon filters is crucial to effectively target various pollutants, although HEPA filters cannot trap gaseous pollutants like ozone.
4. **Future Influencing Factors:**
 - a. Increased Urbanization and Industrialization: As urbanization and industrial activities rise, so will air pollution levels, increasing the demand for effective air filtration systems.
 - b. Climate Change Impact: Climate change is expected to worsen air pollution problems, emphasizing the growing need for efficient air filtration.
 - c. Technological Advancements: Future advancements may bring more efficient air purification technologies, such as 'smart' air purifiers that monitor and adjust in real-time.

➤ Conclusion:

In conclusion, immediate attention is needed for the future of air. HEPA filtration remains pivotal for cleaner indoor environments, but broader strategies to reduce pollution levels are equally essential, considering the severity of air pollution in many cities.

Source: <https://cleanair.camfil.us/2023/06/08/air-pollution-and-the-future-the-rising-importance-of-hepa-filtration/>



ISOBACKER – ACOUSTICAL OUTLET BACKER PAD

Unsealed outlet boxes are known sound leaks in stud wall assemblies. A wall designed for noise control will not perform to expectations when outlets are unsealed, particularly when outlets are back-to-back in the same stud cavity. Kinetics IsoBacker outlet pads can be hand formed around the back of the outlet box to prevent this common sound leakage problem in stud walls.

Kinetics IsoBacker is specifically designed to maintain high acoustical ratings in fire rated walls. It is easy to apply and will stay resilient (will not harden). IsoBacker is UL classified for both metallic and non-metallic outlet boxes to prevent the spread of smoke, fire and toxic gases. The putty pads are sized to cover standard size outlet boxes and are designed to work with Kinetics IsoMax sound clips and other sound rated wall assemblies.



Source: www.kineticsmiddleeast.ae



Kinetics YouTube –

Kinetics Middle East LLC: KINETICS – Floating Floor System

Why contractors should use KINETICS® Floating Floor System

Floating floors are an excellent choice due to their easy installation process, versatility in materials and styles, and cost-effectiveness. These can save time and labor costs while offering clients a wide range of design options. Their durability and low-maintenance characteristics make them suitable for various residential and commercial projects, providing a practical and budget-friendly flooring solution.

[https://youtu.be/ MCMlaPZMji](https://youtu.be/MCMlaPZMji)



#knowmore

info@kineticsmiddleeast.ae

sales@kineticsmiddleeast.ae

<https://www.kineticsmiddleeast.com/>

