

Press Release

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Cleantech Building Materials plc

Recent Accoya® Wood Projects in Asia

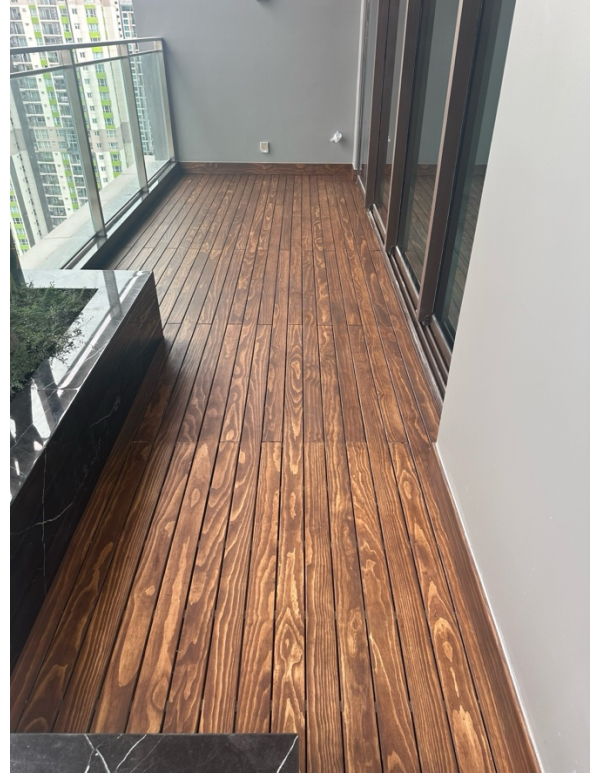
Cleantech Building Materials plc (“CBM”, the “Company” or the “Group”), is pleased to showcase two significant recent projects in Asia using Accoya® Wood. These are the DEFINE project in Ho Chi Minh City, Vietnam, and a residential project in Bangkok, Thailand.

The Accoya® Wood chosen for these projects is a high-performance solid wood that is used by architects and manufacturers to replace endangered tropical hardwoods and energy-intensive materials – like steel, aluminium and specialty plastics. Accoya® Wood is both sustainable and non-toxic to the environment. It is produced through the enhancement of sustainably grown Radiata Pine into the ideal material for windows, doors, shutters, decking, cladding and general construction.

For the DEFINE luxury project in Vietnam, Accoya® Wood provided visually attractive and durable decking for this outdoor oasis, fitting perfectly with the development’s high-end aesthetic. The 88-unit DEFINE development is located in the administrative centre of Thu Duc City in Ho Chi Minh City, offering the residents the pinnacle of deluxe living. Most units come with either a private courtyard garden or lap pool and DEFINE is noted for having the highest number of swimming pools in a single residential development in the city.

From a technical point of view, Accoya® Wood is the professional’s choice for a number of reasons relevant to this specific context. Namely, its enhanced moisture resistance, making it more resistant to termites, its dimensional stability and its resistance to splinters. Finally, its lower surface temperature makes it an ideal application for tropical climates.





It is also an extremely visually attractive option. In this application by using WOCA water based oil, the dark finishing highlights the natural wood texture, making it very suitable for luxury apartments (see above).

In addition to its use in the individual residences, Accoya® Wood was also used for communal areas in the DEFINE development, providing a durable, sustainable, attractive solution (see below).



In Bangkok, Thailand, Accoya® Wood was recently chosen as the material for the decking and ceiling of a modern private villa due to its outstanding durability, dimensional stability and termite resistance. In this application, Accoya® Wood is coated with a waterproof paint on the back and Renner outdoor weather-resistant water-based coating on the front. The colour is similar to white oak and not only highlights the natural wood grain of the wood, but also complements the white corrugated wall of the villa, giving it an extremely luxurious feel.



As it can be seen, Accoya® Wood can be used to create architecturally stunning designs. It offers dimensional stability, guaranteed durability of over 50 years and longer coating retention, which significantly reduces maintenance service requirements.

Sustainability also played a key part in Accoya® Wood being selected for both these projects. It 'locks in' carbon for the 50+ years of its life cycle. For every cubic meter of Accoya® Wood produced, 944kg of CO₂ is sequestered, compared with 88kg of CO₂ emitted. To put that into context, when the second phase of the Company's China Accoya® factory reaches 320,000 m³ of capacity, that will be the equivalent of

sequestering the CO₂ emissions from over 11 million litres of gasoline consumed per year. This is one of the reasons that Accoya® Wood is the only structural building material to have received Cradle to Cradle™ Gold certification.

CBM, through its subsidiary Diamond Wood China Limited, is building the first Accoya® factory in China to support this shift to sustainable building materials. Governments across the region increasingly require 'climate tech' solutions, like Accoya® Wood, for newly built cities and suburbs, as populations grow and countries become more urbanised.

The Group's main operating business in Asia, Diamond Wood, has been FSC® certified since 2008, and this certification covers the entire business. FSC is the gold standard for ensuring that the entire supply chain works with sustainably grown forests, which are harvested and replanted regularly. The Accoya® Wood manufacturing process has also been awarded the "Sustainable Production Technology Award" in the Netherlands, in part due to how the key outputs are reused. The Group's Accoya® Wood factory in China will similarly make sustainable production the overriding criterion of its mission. The Chinese government is a strong supporter of this approach.

Commenting, Willy Paterson-Brown, Chair of CBM, said: "I am delighted to highlight these two recent projects in what are exciting times for CBM. Both projects highlight just a few use cases for Accoya® Wood as a sustainable, non-toxic, high-performance product that meets the global need for carbon reduction, whilst allowing for a practical and attractive solution. We are focused on building our factory in China to meet the ever-increasing demand for Accoya® Wood, both in China and regionally and look forward to reporting on further progress in due course."

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Notes to Editors:



CBM, through its subsidiary Diamond Wood China Limited, owns exclusive manufacturing rights to Accoya® Wood in China and is in the process of establishing a new large scale Accoya® Wood factory in China to meet the huge demand in the region.

For more information please see: <http://www.cbm-plc.com> and <https://www.diamondwoodchina.com>



accoya®

Accoya® Wood is produced using a proprietary patented acetylation technology that effectively converts sustainably grown softwoods and non-durable hardwoods into what is best described as a 'high technology wood'. Distinguished by its durability, dimensional stability and, perhaps most importantly of all, its reliability (in terms of consistency of both supply and quality), Accoya® Wood is particularly suited to exterior applications where performance and appearance are valued. Moreover, the Accoya® Wood production process does not compromise the wood's strength or machinability. The combination of dimensional stability, durability and retained strength means that Accoya® Wood offers a wealth of new opportunities to architects, designers and specifiers. These benefits result in lower maintenance and total cost of ownership while using a higher sustainable and environmental responsible building material.



As an example of Accoya® Wood's use, Google's London headquarters, currently under construction, will be the largest wooden façade in the world (23,300 m² total area). Accoya® wood was selected for its negative carbon footprint, resistance to exterior elements, and its beautiful natural aesthetic.



For more information please see: <https://www.accoya.com>