NHG Timber to launch LDCwood ThermoWood® at Big 5

Wood offers the freedom to design whatever you want, without compromising on performance or carbon footprint

Image © NHG

NHG Timber, a pioneering force in the timber industry, is proud to introduce LDCwood® ThermoWood®, during the prestigious Big 5 Dubai event. Building upon the successful launch of LDCwood ThermoWood® in the UK, where it swiftly gained favor among architects and builders, NHG Timber is now set to captivate the Middle Eastern market with the myriad advantages of thermally modified wood. The unique capability to treat LDCwood ThermoWood® with a CE-certified fire retardant holds particular significance in the arid climate of the region, where summer temperatures easily surpass 40 degrees Celsius.

Sustainable building solutions are on the rise

The recent string of crises - global health, energy, war - has left us with great supply challenges. Increasing costs, scarcity and questionable durability have resulted in a shift: sustainability is more than ever the way to go. The impact on nature is big enough as it is, that is why we consciously choose wood over any other less sustainable material. It offers the freedom to design whatever you want, without compromising on performance or carbon footprint.

That same scarcity has taught us to be creative. Since timber derived from sustainably managed forests will be increasingly sought after, NHG Timber has chosen to work with LDCwood® which transforms more commonly found wood species such as Ayous, Fraké, Pine, Spruce, Poplar, and Ash into a durable wood product. Their thermal modification process turns wood types that are non-durable in their natural state into wood with durability class I or II.

Ben Goodwin of NHG Timber is convinced: "This process involves heating the wood to a high temperature, which changes the wood's cellular structure, resulting in improved durability, stability, and resistance to decay. ThermoWood® also has a beautiful natural appearance that enhances any architectural design, and its long lifespan makes it a cost-effective solution in the long run."

Refined ThermoWood® for outdoor design

A great example of thermally modified wood being used outdoors is the large-scale residential and commercial project, Dockside Gardens. The modern architecture combines the warm wood accents of knot free Ayous, large windows, spacious terraces and green areas.

In collaboration with Life Tree Group, Besix and Bontinck, LDCWood® ThermoWood® Ayous was installed in this eco-housing estate on the level two walkway and part of the terraces, creating a dynamic appearance. To achieve the desired reaction to fire classification, the ThermoWood® was treated with the fire-retardant.

The high performance and durability are the result of the thermal modification of Ayous. The treatment has increased the Ayous' durability class up to class 1, resulting in a lifespan of over 25 years for this facade cladding. No need to worry about the carbon footprint, since both the sourcing and thermal treatment keeps it as low as possible.

Fire retardant treatment

The extreme performance remains one of the most significant advantages of LDCwood® ThermoWood®. However, the most important benefit for the Middle Eastern market might be the supplementary CE-certified fire retardant treatment. Different types of wood, like the ThermoWood® Ayous at Dockside Gardens, can be treated with the fire retardant, Burnblock®, a 100% natural and biodegradable product.

Thanks to this process at LDCwood, many types of timber have been tested and awarded reaction to fire classification B-s1,d0, in accordance with the European standard EN13501.

The durability of the treatment over time is guaranteed without coating for external applications. According to NHG, this is an important feature in a region where high temperatures and arid conditions increase the risk of fire.

Endless possibilities

"Our partnership with LDCwood®, who is a member of the International ThermoWood® Association and sources wood from FSC®, PEFC or OLB certified partners, will give us the possibility to go from cladding to decking, to any indoor or outdoor application such as interior design products, patio and garden construction or even furniture. With NHG Timber's commitment to providing high-quality wood products and excellent customer service, the Middle Eastern market can expect to receive the best in the industry," added Goodwin.

Forging innovation, connectivity, and business avenues

As a hub of innovation, connectivity, and business opportunities, the Big 5 Dubai stands as a testament to the profound importance of presenting the certified LDCwood® ThermoWood®. Whether you are a construction magnate, an industry pioneer, or a burgeoning entrepreneur, NHG Timber's and LDCwood® ThermoWood® participation in the show is more than a mere presence; it's a strategic decision that will shape the trajectory of their business.

**This article has been supplied by NHG Timber, who will be participating at the Big 5 Dubai at Booth: SS1 B158 from December 4 - 7, 2023 |. For more information and to learn more about the company, please visit www.nhgtimber.co.uk.*