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PANALOC SECURES SOLE UK LICENCE FOR KRONOPLY OSB4

A cost effective and practical alternative to traditional timber frame construction has arrived as Manchester-based **Panaloc** - pioneers of a unique process-led offsite construction solution - has secured the sole UK supply rights to import an exclusive OSB4 (orientated strand board) from Swiss timber derived product specialists, Kronoply GmbH. Along with sole licence to produce Magnum board panels using OSB4 for walls, ceilings and roofs, Panaloc is set to revolutionise the fast-build off-site construction industry and extend the boundaries of sustainability.

Made from pine, Kronoply's exclusive OSB4 strand board boasts superior quality using only fresh tree trunks derived from the maintenance and thinning out of surrounding forests. Following de-barking and chipping, OSB4 strand board is created from pine strips of veneer that are 120mm in length and laid crosswise in three layers. Not only does this high overlap of strands guarantee high dimensional stability, it also assures superior mechanical properties. Manufactured with no formaldehyde bonding agents or chemical wood preservatives, OSB4 is at the cutting edge of sustainability and renewability.

OSB4 is water and pest resistant. A diffusion retarding material, it also requires no vapour sealing film when used as inner panelling for timber frame constructed buildings. Plus, in comparison to chipboard, it permits lower thicknesses of panels to be used thereby making savings in materials and weight of the construction, which are of benefit to fabrication and transport. Furthermore, a thinner panel provides additional space for living areas and heat insulation.

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By pressing and glue laminating together three layers of Kronoply OSB4, Panaloc are able to create Magnum board structural wall, ceiling or roof panels – the first solid wood construction system to be approved for such use. As well as offering outstanding stability, rigidity and design flexibility, Magnum board boasts high sound and thermal insulation, increased fire protection and improved building efficiencies.

As Magnum board panels facilitate fast and solid build, offsite construction now takes on a new turn. Through the application of pioneering integrated design and seamless computer numerical control manufacturing processes, Panaloc is able to quickly and economically create off-site walls, ceilings and roofing panels up to 20m by 5m, and up to ten storeys in height and these may be delivered complete with prepared surfaces for painting.

Comments Panaloc’s founder Director, Eric Dean: “We are delighted to have secured sole UK supply rights to import Kronoply’s OSB4 together with licence to produce Magnum board panels using this innovative product. Not only will this superior material give us the capability to deliver mass customised products on an unprecedented scale, it will set new standards in offsite construction.”

Established following an extensive research and development period with over £12million investment, Manchester-based Panaloc is a seamless process-led offsite construction and MMC specialist. From 320,000 sq ft manufacturing facilities, Panaloc has the technology to design and manufacture structural components in the form of wall panels, roofs, pods and ceilings, all within a strict and efficient factory controlled environment.

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