



PERFORMANCE Plywood®

Hanson Plywood share the benefits of Performance Plywood® for construction applications

Marine Plywood has been used in construction applications in the belief that the product will be a higher quality of plywood. Marine Grade Plywood was not originally intended for construction applications, it was produced for the ship building industry.

In today's world the availability of legal and sustainable hardwoods to produce Marine Grade Plywood is very limited, which makes the product relatively expensive to produce. Construction specifications should be satisfied with products that are fit-for-purpose taking into account the application and the particular performance criteria required. With this in mind, Hanson Plywood have worked to develop and present a product that is specifically intended for the construction industry and offers full technical and environmental classifications.

Performance Plywood® is the result of this work and is a reliably branded hardwood plywood produced specifically for construction applications. It is CE marked and tested to meet EN 636 Use Class 3 thus making it suitable for use as structural components in exterior conditions. The product carries FSC® chain of custody and is FLEGT licenced to verify legality under the European Union Timber Regulation (EUTR).

Use in Exterior Conditions

EN 636-3 specifies the requirements for plywood for use in external applications as defined in Use Class 3, where the moisture content will frequently be above 20 per cent. Use Class 3 is defined fully in EN 335:2013 but essentially it outlines situations in which wood or a wood-based product is above ground and exposed to the weather (particularly rain). The wood can be disfigured by fungi as well as attacked by wood boring insects including termites.

Essential elements of plywood for EN 636-3:

Bonding quality

The bonding quality of the plywood needs to comply with the requirements of Bonding Class 3 of EN 314-2.

Biological durability

It is important to assess whether the durability of the plywood is sufficient for prevailing climate conditions. If it is not sufficient, then it is worth considering another solution such as the preservative treatment on the plywood. Guidance on factors affecting durability can be found in CEN/TS 1099. When specifying plywood for Use Class 3, appropriate surface and edge coating should also be considered.

Legal and Sustainable

Performance Plywood® is imported from Indonesia and is FLEGT Licensed. Following the Indonesian Ministry of Environment and Forestry's implementation of a robust timber legality assurance system (SVLK), the country has fully complied with the legal requirements set out by the European Union. Indonesia is the first country to offer FLEGT Licensed timber products that are fully compliant with EUTR requirements. In addition to this attestation to legality, the timber in Hanson Performance Plywood® is sourced from FSC® forest management units.

Performance Plywood® not only adheres to a long list of applicable standards, but also follows a strict due diligence process. This ensures the product is safe, and fit for use in a multitude of applications, specifically construction.

FOR MORE INFORMATION PLEASE VISIT:

www.hanson-plywood.co.uk
www.theplywoodspecifiersguide.co.uk