

## **Donaldson Timber Systems achieves EPDs for full wall panel range**

Leading UK offsite frame manufacturer, Donaldson Timber Systems, has published, third party accredited environmental product declarations (EPD) for its full wall panel range.

In 2024, the Donaldson Timber Systems open panel Alpha system became the first off-site assembled timber frame wall panel in the UK to offer an approved EPD. They now also holds EPDs for its pre-insulated wall system, Delta; and the award-winning closed panel system, Sigma II solid stud and Sigma II I stud.

The EPD, which transparently communicates the environmental performance of a product over its lifetime, allows customers to accurately measure their carbon footprint and make informed decisions on the best product choices to meet sustainability goals. It also improves transparency regarding product performance claims, making it easier to compare the impacts of different materials and build systems accurately.

The use of EPDs is in line with the Government's Timber in Construction Roadmap to get Britain building with the use of sustainable and low carbon building materials, which was announced in February. Originally launched in late 2023 under the Conservative Government, the Roadmap has been updated with more ambitious targets. The first priority theme is 'improving data on timber and whole life carbon'. It is also a measurement which will become increasingly important if the proposed Part Z amendment to Building Regulations is accepted.

Valid for five years, the EPD is based on current available and published data for end-of-life assumptions. Donaldson's Timber Systems is working on EPDs for its full product range, with floor and roof systems to follow.

### **John Smith, Technical Director at Donaldson Timber Systems, explains:**

"We always champion the use of offsite timber frame construction as the best way to achieve sustainable building practices and meet net zero targets but telling customers this is no longer enough. If we are to make meaningful change, all environmental claims need to be backed up with proof. The only way to achieve zero carbon is to measure and reduce the whole-life carbon of buildings. The availability of environmental product declarations (EPDs) is an important step in recognising this.

"We're proud to be leading the industry with proof that timber frame is a carbon sink, and we're thrilled that we're already seeing significant improvements on the EPD we achieved for our Alpha system just six months ago."

### **Adam Gravely, Head of Technical and Innovation at the Future Homes Hub said:**

"Understanding embodied and whole life carbon is a crucial next step if we are to meet our net zero carbon ambitions as a sector. There is a challenge around getting product-specific embodied carbon data and homebuilders are increasingly calling on their supply chains to provide EPDs to support their whole life carbon assessments.

"It's great to see their commitment to supporting their customers and engaging with the Hub on how to drive down the embodied carbon impact of new homes."

Along with an EPD, Sigma® II has achieved a range of third-party approvals, including BOPAS Plus, BBA, NHBC Accepts and STA Gold Assure, delivering the confidence that it is durable, complies with

building regulations and technical standards while being designed, manufactured and installed to last for at least 60 years. Sigma® II was also the first timber system verified by Cast to exceed Homes England (HE) Pre-Manufactured Value (PMV) target of 55%, achieving up to 58.4%.

As part of the Donaldson Group's Offsite division, it prides itself on being highly sustainable, innovative and efficient. Celebrating its 50<sup>th</sup> anniversary this year, DTS offers unrivalled experience and knowledge in offsite construction, with an established history of bringing new commercial and operational innovations to the market.

For more information on sustainable construction and reducing carbon impact, they are hosting a webinar on 14 May. To register for 'Building a Sustainable Future: Unlocking the Power of Timber Frame to Reduce Your Carbon Footprint', visit this link:

<https://www.donaldsontimbersystems.com/training-and-events/>

## **ENDS**

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### ***Notes to Editors:***

#### About Donaldson Timber Systems

Donaldson Timber Systems is the UK's market leading offsite timber systems manufacturer. For 50 years, the business has been working with its partners in the UK housebuilding market, supplying them with state of the art open and closed panel timber frames.

They use the most Modern Methods of Construction to help provide cost effective, sustainable, and affordable housing solutions.

A leading name in offsite timber systems, they operate from a network of manufacturing and technical centres across the UK. With unrivalled experience and knowledge in timber, Donaldson Timber Systems is the go-to name for innovative, sustainable building solutions.

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

#### About Donaldson Group Offsite

Donaldson Offsite's market leading portfolio of businesses is the UK's leading supplier of timber frame, roof, floor, stairs and door systems and is made up of the following businesses:

**Donaldson Timber Systems:** the UK's market leading offsite timber systems manufacturer.

**Donaldson Timber Engineering Ltd:** leading national manufacturer of roof trusses and floor systems.

**Donaldson Door Systems:** Scotland's leading door systems manufacturer.

The businesses are committed to offsite manufacturing as core to the future of UK Housebuilding and as a key Modern Method of Construction delivering Greener, Faster and Better systems and solutions to customers and the industry.