

# NTS

**NATIONAL  
TIMBER SYSTEMS**  
Part of National Timber Group



## GreenBox®

## THE CLIMATE-FRIENDLY FLOOR CASSETTE SYSTEM

GreenBox is a climate-friendly floor cassette system that performs like a concrete floor, but with less mass and a fraction of the embodied carbon. The design combines a stiff timber structure with a proprietary filling that dampens vibration and improves acoustic and fire performance. And installation is simple: just lift in prefabricated cassettes and connect with screws – no special skills or equipment are needed.



Lightweight. Low embodied carbon. Tunable acoustic performance. Easy to install. GreenBox is a new timber floor system that works for big bays and long spans in multi-occupancy residential and commercial buildings.

### How Does GreenBox Perform?

GreenBox meets or exceeds the performance of other floor systems, but at a fraction of the weight and environmental impact. Here's how:

#### Noise & Movement.

GreenBox's proprietary design can meet acoustic and vibration criteria without the need for added screeds or soundproofing materials.

#### Fire Resistance.

GreenBox has a test-verified 90 minutes fire resistance. This performance can be further improved to two hours through simple adjustments to the filling.

#### Water Resistance.

The design includes multiple lines of defense against water ingress and trapped water, both on-site and in-service.

#### Maintenance.

Panels can be modified on-site with no special equipment. Replacements can be made through windows, with light lifting equipment.

#### Structural Performance.

Stiff, heavily damped panels allow for long spans. Can be supported from steel, timber or concrete.

- ◆ Low-Carbon & Reusable
- ◆ Visually Appealing
- ◆ Fast & Easy to Build
- ◆ Lightweight, With No Screed Required
- ◆ Up to 120 Minutes of Fire Resistance
- ◆ Resistant to Water Damage

Image © Thornton Tomasetti



SCAN FOR DETAILS  
OF GREENBOX ON  
OUR WEBSITE HERE!

For more information on **GreenBox®** please email a member of our team with your enquiry at **[design@nationaltimbersystems.co.uk](mailto:design@nationaltimbersystems.co.uk)**